

## UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ☒ ELECTRIC LOGS ☒ X WATER SANDS LOCATION INSPECTED SUB. REPORT/abd.97/203 Equitable to Inland et al. 7-30-97:  
970908 Conf. exp:

DATE FILED APRIL 29, 1996

LAND: FEE &amp; PATENTED STATE LEASE NO.

PUBLIC LEASE NO. U- 74390

INDIAN

DRILLING APPROVED: MAY 16, 1996

SPUDDED IN: JUNE 27, 1996

COMPLETED: 8-16-96 POW PUT TO PRODUCING:

INITIAL PRODUCTION: 56 Bbl, 0 mcf, 90 Bbl

GRAVITY A.P.I. 34

GOR:

PRODUCING ZONES: 4291-5586' ARRV

TOTAL DEPTH: 5150'

WELL ELEVATION: 5837' ML

DATE ABANDONED:

FIELD: CASTLE PEAK

UNIT:

COUNTY: DUCHESNE

WELL NO. MONUMENT FEDERAL 43-6-9-16Y API NO. 43-013-31644

LOCATION 2214 FSL FT. FROM (N) (S) LINE. 707 FEL FT. FROM (E) (W) LINE. NE SE

1/4 - 1/4 SEC. 6

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
9S	16E	6	EQUITABLE RESOURCES				Inland Production Co.

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaite Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
Adsebench ss 11637	Dakota	Park City	McCracken
2nd garden quich 2327	Burro Canyon	Rico (Goodridge)	Aneth
yellow mkr 4141	Cedar Mountain	Supai	Simonson Dolomite
DECK 41005	Buckhorn	Wolfcamp	Sevy Dolomite
2nd DECK 4812	JURASSIC	CARBON I FEROUS	North Point
GREEN Mkr 5045	Morrison	Pennsylvanian	SILURIAN
BUCK SHALE 5171	Salt Wash	Oquirrh	Laketown Dolomite
CARBONATE 5128	San Rafeal Gr.	Weber	ORDOVICIAN
Flagstaff	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE - CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRIASSIC		



**EQUITABLE RESOURCES  
ENERGY COMPANY**

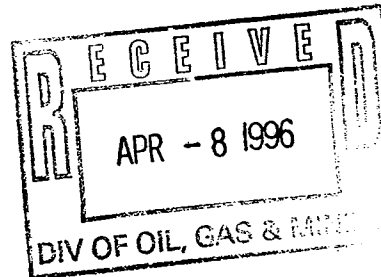
**BALCRON OIL DIVISION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

March 22, 1996

Utah Division of Oil, Gas and Mining  
355 West North Temple  
Salt Lake City, UT 84180



Gentlemen:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a sundry notice reflecting that change. To simplify paperwork, I have done one sundry notice with copies for each of the wells. To this letter I have attached a list of our wells for your ease in filing the sundry notices in the well files. This should be sufficient for your purposes.

I have the listings on a spreadsheet so if it would be easier for you to have them sorted differently (for example, the Montana Board of Oil and Gas prefers them sorted by API number), please give me a call at (406) 259-7860, extension 240 and I would be glad to provide a list to your specifications.

This change affects only our company name. The physical locations of our offices and the personnel remain the same. We will be changing our well signs and ask for your patience and cooperation as this will be done as soon as possible but may take some time since we do have so many properties at which to make the change.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

*Bobbie Schuman*

Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs

Enclosures

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☐ OTHER: See attached listing

2. Name of Operator:  
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone Number:  
1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well  
Footages: See attached listing

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:  
See attached listing

6. If Indian, Allottee or Tribe Name:  
n/a

7. Unit Agreement Name:  
See attached listing

8. Well Name and Number:  
See attached listing

9. API Well Number:  
See attached listing

10. Field and Pool, or Wildcat:  
See attached listing

County: See attached list

State: UTAH

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

### NOTICE OF INTENT (Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Multiple Completion       | <input type="checkbox"/> Water Shut-Off       |
| <input type="checkbox"/> Other _____               |   |

Approximate date work will start \_\_\_\_\_

### SUBSEQUENT REPORT (Submit Original Form Only)

- |   |   |
|---|---|
| <input type="checkbox"/> Abandon *                                    | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                                | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                              | <input type="checkbox"/> Reperforate          |
| <input type="checkbox"/> Convert to Injection                         | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize                    | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Operator name change</u> |   |

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.

13.

Name & Signature: Bobbie Schuman  
Bobbie Schuman

Title: Regulatory and Environmental Specialist Date: March 27, 1996

(This space for State use only)



UTAH

Monument Federal #33-22-8-17	Monument Butte	NW SE	22	8S	17E	Duchesne	UT	PND	Green River	U-67845			2295' FSL, 1950' FEL	Vernal	
Monument Federal #41-18-9-16Y	Monument Butte	NE NE	18	9S	16E	Duchesne	UT	PND	Green River	U-74390				Vernal	
Monument Federal #41-35-9-18Y	Monument Butte	NE NE	35	9S	18E	Uintah	UT	PND	Green River	U-68618			500' FNL, 660' FEL	Vernal	
Monument Federal #42-6-9-16Y	Monument Butte	SE NE	6	9S	16E	Duchesne	UT	PND	Green River	U-74390				Vernal	
Monument Federal #42-20-9-16	Monument Butte	SE NE	20	9S	16E	Duchesne	UT	PND	Green River	U-52108				Vernal	
Monument Federal #43-6-9-16Y	Monument Butte	NE SE	6	9S	16E	Duchesne	UT	PND	Green River	U-74390				Vernal	
Monument Federal #43-19-9-18Y	8 Mile Flat	NE SE	19	9S	18E	Uintah	UT	PND	Green River	U-65635			2140' FSL, 500' FEL	Vernal	
Monument Federal #44-17-9-16	Monument Butte	SE SE	17	9S	16E	Duchesne	UT	PND	Green River	U-52108				Vernal	
Monument Federal #44-31-8-18Y	Monument Butte	SE SE	31	8S	18E	Uintah	UT	PND	Green River	U-65969			915' FSL, 759' FEL	Vernal	
Monument State #13-16-9-17B	Monument Butte	NW SW	16	9S	17E	Duchesne	UT	PND	Green River	State ML-3453-B	43-013-31580		1980' FSL, 660' FWL		Beluga
Monument State #22-16-9-17B	Monument Butte	SE NW	16	9S	17E	Duchesne	UT	PND	Green River	State ML-3453-B	43-013-31579		1824' FNL, 1981' FWL		Beluga
Monument State #23-16-9-17B	Monument Butte	NE SW	16	9S	17E	Duchesne	UT	PND	Green River	State ML-3453-B	43-013-31578		1980' FSL, 1980' FWL		Beluga
Monument State #31-2-9-17	Monument Butte	NW NE	2	9S	17E	Uintah	UT	PND	Green River	State ML-45555	43-013-31563		500' FNL, 1980' FEL		
Paiute Federal #11-17	Monument Butte	NW NW	17	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-047-30516		661' FNL, 664' FWL	Vernal	Beluga
Paiute Federal #24-8	Monument Butte	SE SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30675		660' FSL, 1980' FWL	Vernal	Beluga
Paiute Federal #34-8	Monument Butte	SW SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30778		660' FSL, 1980' FEL	Vernal	Beluga
Paiute Federal #43-8	Monument Butte	NE SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30777		1958' FSL, 711' FEL	Vernal	Beluga
Pariette Bench #4 SWD	Pariette Bench	SW SE	7	9S	19E	Uintah	UT	SWD	Green River	U-017992	43-047-15681		660' FSL, 1980' FEL	Vernal	Pariette Bench
Pariette Bench Federal #14-5	Pariette Bench	SW SW	5	9S	19E	Uintah	UT	Oil	Green River	U-017992	43-047-31123		605' FSL, 479' FWL	Vernal	
Pariette Bench Federal #32-6	Pariette Bench	SW NE	6	9S	19E	Uintah	UT	OSI	Green River	U-50385	43-047-31554		2117' FNL, 2123' FEL	Vernal	
Pariette Bench Federal #41-7	Pariette Bench	NE NE	7	9S	19E	Uintah	UT	Oil	Green River	U-017992	43-047-31584		1008' FNL, 1282' FEL	Vernal	Pariette Bench
Pariette Bench Federal #43-6	Pariette Bench	NE SE	6	9S	19E	Uintah	UT	Oil	Green River	U-017992	43-047-31616		2044' FSL, 721' FEL	Vernal	
Pariette Bench Unit #2	Pariette Bench	SW NE	7	9S	19E	Uintah	UT	Oil	Green River	U-022684-A	43-047-15680		2030' FNL, 1830' FEL	Vernal	Pariette Bench
POMCO #2	Monument Butte	NW SE	18	9S	17E	Duchesne	UT	OTA	Green River	U-3563	43-013-30505		1980' FSL, 1980' FEL	Vernal	Beluga
POMCO #4	Monument Butte	SW SW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-103-30506		660' FSL, 660' FWL	Vernal	Beluga
POMCO #5	Monument Butte	NW SW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-30499		1980' FSL, 660' FWL	Vernal	Beluga
State #16-2	Monument Butte	NE NE	16	9S	17E	Duchesne	UT	OSI	Green River	State ML-3453-B	43-013-30552		871' FNL, 748' FEL		
Sue Morris #16-3	Monument Butte	NE NW	16	9S	17E	Duchesne	UT	OSI	Green River	State ML-3453-B	43-013-30562		660' FNL, 1980' FWL		Beluga
TXO Federal #1	Coyote Basin	SW NE	5	8S	25E	Uintah	UT	Oil	Green River	U-41376	43-047-31406		1918' FNL, 1976' FEL	Vernal	Coyote Basin
TXO Federal #2	Coyote Basin	SW SE	5	8S	25E	Uintah	UT	OTA	Green River	U-41376	43-047-31567		2085' FNL, 819' FEL	Vernal	Coyote Basin
Walton Federal #1	Monument Butte	SE SE	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-15792		706' FSL, 704' FEL	Vernal	Jonah
Walton Federal #2-14	Monument Butte	NW NE	14	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-15793		542' FNL, 1869' FEL	Vernal	Jonah
Walton Federal #34-11	Monument Butte	SW SE	11	9S	16E	Duchesne	UT	WW	Green River	U-096550	43-013-31003		537' FSL, 2092' FEL	Vernal	Jonah
Walton Federal #4-11	Monument Butte	SE NW	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-15795		1980' FNL, 1975' FWL	Vernal	Jonah

Division of Oil, Gas and Mining  
OPERATOR CHANGE WORKSHEET

Routing:

1	LEP 7-SJ
2	DE 58-FILE
3	VLD (GIL) 23
4	RJE
5	IFC
6	FILM

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

- ☐ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ~~XXX~~ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 4-1-96)

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY COEROM</u> (former operator)	<u>EQUITABLE RESOURCES ENERGY CO</u>
(address)	<u>1601 LEWIS AVE</u>	<u>BALCRON OIL DIVISION</u>
	<u>BILLINGS MT 59102-4126</u>	<u>1601 LEWIS AVE</u>
	<u>phone (406) 259-7860</u>	<u>BILLINGS MT 59102-4126</u>
	<u>account no. N9890</u>	<u>phone (406) 259-7860</u>
		<u>account no. N9890</u>

Well(s) (attach additional page if needed):

Name: <b>**SEE ATTACHED**</b>	API: <u>43-013-31644</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- See 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 4-4-96 & 4-8-96)
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- \* 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- See 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ (4-10-96)
- See 6. Cardex file has been updated for each well listed above. (4-11-96)
- See 7. Well file labels have been updated for each well listed above. (4-11-96)
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (4-10-96)
- See 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

### ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

### BOND VERIFICATION (Fee wells only)

# 5578314 (\$80,000) Schae Ins. Co. (Bond Rider In Progress)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no)   . Today's date            19  . If yes, division response was made by letter dated            19  .

### LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated            19  , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 4/26/96
- DTS 2. Copies of documents have been sent to State Lands for changes involving State leases.  
Sent to Ed Boucher - Trust Lands

### FILMING

- VB 1. All attachments to this form have been microfilmed. Date: 9-15 1997.

### FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

### COMMENTS

9/20/10 Blm/BIA "Formal approval not necessary"

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

CONFIDENTIAL

5. LEASE DESIGNATION AND SERIAL NO.  
U-43-6-9-16Y

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1A. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
n/a

7. UNIT AGREEMENT NAME

n/a

8. FARM OR LEASE NAME

Monument Federal

9. WELL NO.

#43-6-9-16Y

10. FIELD AND POOL, OR WILDCAT

Monument Butte/Green River

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

6, T9S, R16E

12. COUNTY OR PARISH

Duchesne

13. STATE

UTAH

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Equitable Resources Energy Company

3. ADDRESS OF OPERATOR

1601 Lewis Avenue; Billings, MT 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

NE SE Section 6, T9S, R16E

2214' FSL, 707' FEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

From Myton, UT approximately 10 mi SW

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5,837' GL

22. APPROX. DATE WORK WILL START\*

June 1, 1996

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See attached	Drilling Program/Casing Design			

Operator intends to drill this well in accordance with the attached EXHIBITS. A listing of EXHIBITS is also attached.

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

ORIGINAL: Bureau of Land Management (Vernal, UT)

COPY: Utah Division of Oil, Gas and Mining (Salt Lake City, UT)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED Bobbie Schuman TITLE Regulatory and Environmental Specialist DATE April 24, 1996

(This space for Federal or State office use)

PERMIT NO. 43-013-31644 APPROVAL DATE APR 16 1996

APPROVED BY JAN Matthews TITLE Petroleum Engineer DATE 5/16/96

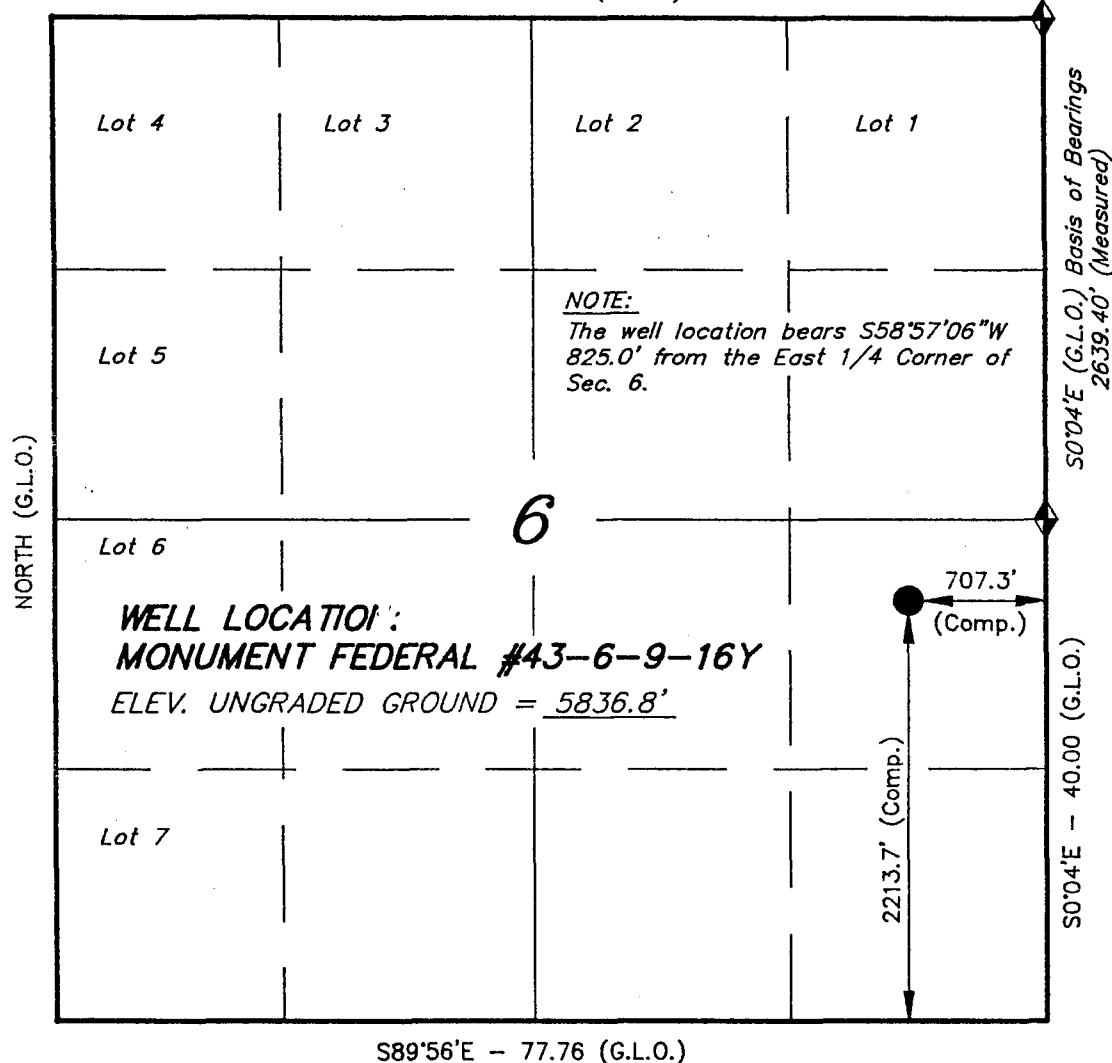
CONDITIONS OF APPROVAL, IF ANY:

DIV. OF OIL, GAS & MINING

\*See Instructions On Reverse Side

**T9S, R16E, S.L.B.&M.**

S89°57'E - 77.68 (G.L.O.)

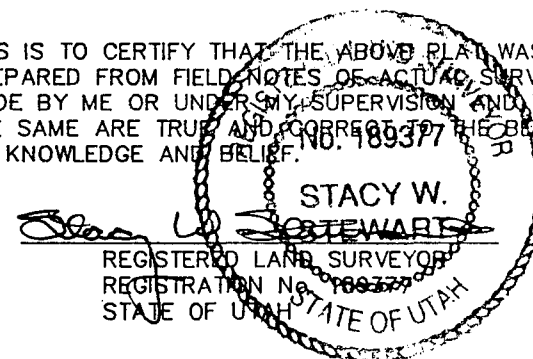


**EQUITABLE RESOURCES ENERGY CO.**

WELL LOCATION, MONUMENT FEDERAL #43-6-9-16Y, LOCATED AS SHOWN IN THE NE 1/4 SE 1/4 OF SECTION 6, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



**TRI STATE LAND SURVEYING & CONSULTING**

38 WEST 100 NORTH - VERNAL, UTAH 84078  
(801) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: S.S.
DATE: 2-29-96	WEATHER: WINDY & COLD
NOTES:	FILE #

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SW)

# **CONFIDENTIAL**

**AS OPERATOR, WE HEREBY REQUEST THAT THE STATUS OF THIS  
WELL BE HELD TIGHT FOR THE MAXIMUM PERIOD ALLOWED BY  
FEDERAL AND STATE REGULATIONS.**

Equitable Resources Energy Company,  
Balcron Oil Division  
1601 Lewis Avenue  
Billings, MT 59102  
(406) 259-7860

## EXHIBITS

- A PROPOSED DRILLING PROGRAM
- B PROPOSED SURFACE USE PROGRAM
- C GEOLOGIC PROGNOSIS
- D DRILLING PROGRAM/CASING DESIGN/WELLBORE DIAGRAM
- E HAZMAT DECLARATION
- F EXISTING & PLANNED ACCESS ROADS (MAPS A & B)
- G WELLSITE LAYOUT
- H BOPE SCHEMATIC
- I EXISTING ROADS (MAP C)
- J PROPOSED PRODUCTION FACILITY DIAGRAM
- K SURVEY PLAT
- L LAYOUT/CUT & FILL DIAGRAM

6/19/95

PROPOSED DRILLING PROGRAM

EQUITABLE RESOURCES ENERGY COMPANY  
Monument Federal #43-6-9-16Y  
NE SE Section 6, T9S, R16E  
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162-3.1 (d):

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

2. ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS OR WATER:

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

- a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.
- b. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.
- c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
- d. An upper kelly cock will be used during the drilling of this well.
- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.



- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.00, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- E. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following attachment:

Drilling Program/Casing Design (EXHIBIT "D")

5. HAZARDOUS PRESSURES, TEMPERATURES, FLUIDS/GASSES EXPECTED:

- a. Expected bottom hole temperature is 125 degrees F. Expected bottom hole pressure is 1500 psi.
- b. No abnormal pressures or temperatures have been noted or reported in wells drilled to the Green River formation in this area.
- c. No dangerous levels of hydrogen sulfide, hazardous fluids, or gasses have been found, reported, or known to exist at the depth to be drilled in this well, in this area.

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon after APD approval as possible.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.

- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

7. OTHER

- a. Operator requests a variance to regulations requiring a straight run blooie line.
- b. Operator requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line.

B

**Multi-Point Surface Use and Operations Plan**

EQUITABLE RESOURCES ENERGY COMPANY  
MONUMENT FEDERAL #43-6-9-16Y  
NE SE SECTION 6, T9S, R16E  
DUCHESNE COUNTY, UTAH

**1. Existing Roads: Refer to Maps "A" & "B" (shown in RED)**

- A. The proposed well site is staked and four reference stakes are present. 150' & 200' South and 200' & 250' West.
- B. The Monument Federal #43-6-9-16Y is located 10 miles Southwest of Myton Utah in the SE1/4 SW1/4 Section 6, T9S, R16E, SLB&M, Duchesne County, Utah. To reach the 43-6-9-16Y, proceed West from Myton, Utah along U.S. Highway 40 for 1.6 miles to the junction of this highway and Sand Wash road; Proceed South along the Sand Wash road approximately 1.7 miles to a road intersection, turn right and continue 8.0 miles to a road intersection. Turn right and proceed 0.2 mile to location which is on the North side of the existing road..
- C. Access roads - refer to Maps "A" and "B".
- D. Access roads within a one-mile radius - refer to map "B".
- E. The existing roads will be maintained in the same or better condition as existed prior to the commencement of operations and said maintenance will continue until final abandonment and reclamation of the well location.

**2. Planned Access Roads: Refer to Map "B"**

No new road construction will be required for access to the proposed well location.

- A. Width - maximum 30-foot overall right-of-way with an 18-foot road running surface, crowned & ditched and/or sloped and dipped.

- B. Construction standard - the access road will be constructed so as to conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. (1989)

The road will be constructed to meet the standards of the anticipated traffic flow and all-weather requirements. Construction will include ditching, draining, crowning, and capping or sloping and dipping the roadbed as necessary to provide a well constructed and safe road. Prior to construction/upgrading, the roadway shall be cleared of any snow cover and allowed to dry completely. Traveling off of the thirty (30) foot right-of-way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossing shall be designed so they will not cause siltation or the accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts.

Upgrading shall not be allowed during muddy conditions.

Should mud holes develop, they shall be filled in and detours around them avoided.

- C. Maximum grade - Less than 8%
- D. Turnouts - no turnouts will be required on this access road.
- E. Drainage design - the access road will be crowned and ditched or sloped and dipped, and water turnouts installed as necessary to provide for proper drainage along the access road route.
- F. Culverts, cuts and fills - none.
- G. Surface materials - all construction materials will be native material taken from onsite.
- H. Gates, cattleguards or fence cuts - none required.
- I. Road maintenance - during both the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and will be maintained in accordance with the original construction standards. All drainage ditches and culverts

will be kept clear and free-flowing, and will also be maintained in accordance with the original construction standards. The access road right-of-way will be kept free of trash during operations.

J. The proposed access road has been centerline flagged.

K. If a right-of-way is required please consider this APD the application for said right-of-way.

**3. Location of Existing Wells Within a One-Mile Radius:**

Please Refer to Map "C"

- A. Water wells - none known.
- B. Abandoned wells - see Map "C"
- C. Temporarily abandoned wells - none known.
- D. Disposal wells - none known.
- E. Drilling wells - none known.
- F. Producing wells - see Map "C".
- G. Shut-in wells - none known.
- H. Injection wells - none known.
- I. Monitoring wells - none known.

**4. Location of Existing and/or Proposed Facilities Owned by Equitable Resources Energy Company Within a One-Mile Radius:**

**A. Existing**

- 1. Tank batteries - see Map "C".
- 2. Production facilities - see Map "C".
- 3. Oil gathering lines - none.
- 4. Gas gathering lines - see Map "C".

**B. New Facilities Contemplated**

- 1. All production facilities will be located on the disturbed portion of the well pad and at a minimum of twenty-five (25) feet from the toe of the backslope or toe of the fill slope.
- 2. The production facilities will consist primarily of a pumping unit, Two tanks and an emergency pit. A diagram showing the proposed production facility layout is included in this APD.
- 3. Production facilities will be accommodated on the existing well pad. Construction materials required for installation of the production facilities will be obtained from the site; any additional materials required will be purchased from a local supplier having

a permitted (private) source of materials within the area.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

4. All permanent (onsite for six months or longer) above the ground structures constructed or installed including pumping units) will be painted Desert Brown. All production facilities will be painted within six (6) months of installation. Facilities required to comply with Occupational Health and Safety Act Rules and Regulations will be excluded from this painting requirement.
  - C. The production (emergency) pit will be 12'x12' and will be fenced. Said fence will be maintained in good condition.
  - D. During drilling and subsequent operations, all equipment and vehicles will be confined to the access road right-of-way and any additional areas as specified in the approved Application for Permit to Drill.
  - E. Reclamation of disturbed areas no longer needed for operation will accomplished by grading, leveling and seeding as recommended by the Bureau of Land Management.
- For Pipeline:
- F. Any proposed pipelines will be submitted to the authorized officer Via Sundry Notice for approval of subsequent operations.
  - G. Equitable Resources Energy Company shall be responsible for road maintenance from the beginning to completion of operations.

## **5. Location and Type of Water Supply**

- A. Water to be used for the drilling of these wells will be hauled by truck over the roads described in item #1 and item #2, from a well owned by Owen Dale Anderson of Vernal Utah or from a spring owned by Joe Shields of Myton Utah. Source will be determined by sundry notice closer to the

beginning of drilling operations.

- B. No water well will be drilled on this location.

#### **6. Source of Construction Materials**

- A. No construction materials are needed for drilling operations. In the event of production, the small amount of gravel needed for facilities will be hauled in by truck from a local gravel pit over existing access roads to the area. No special access other than for drilling operations and pipeline construction is needed.
- B. All access roads crossing Federal land are described under item #2, and shown on Map #A.

All construction material for these location sites and access roads shall be borrowed material accumulated during the construction of the location sites and access roads. No additional construction material from other sources is anticipated at this time, if in the future it is required the appropriate actions will be taken to acquire it from private sources.

- C. All surface disturbance area is on B.L.M. lands.

- D. There are no trees on this location.

#### **7. Methods of Handling Waste Materials:**

- A. Cuttings - the cuttings will be deposited in the reserve pit.
- B. Drilling fluids - including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within one hundred twenty (120) days after termination of drilling and completion activities.

In the event adverse weather conditions prevent removal of the fluids from the reserve pit within this time period, an extension may be granted by the Authorized Officer upon receipt of a written request from Equitable Resources Energy Company.

The reserve pit will be constructed so as not to leak, break, or allow discharge. The reserve pit will be lined with a 12 mil plastic reinforced liner.

- C. Produced fluids - liquid hydrocarbons produced during completion operations will be placed in test tanks on the location. Produced waste water will be confined to a lined pit (reserve pit) or storage tank for a period not to exceed ninety (90) days after initial production. During the ninety (90) day period, in accordance with Onshore Order #7, an application for approval of a permanent disposal method and location, along with the required water analysis, shall be submitted for the Authorized Officer's approval. Failure to file an application within the time frame allowed will be considered an incidence of noncompliance.

Any spills of oil, gas, salt water or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

- D. Sewage - self-contained, chemical toilets will be provided for human waste disposal. Upon completion of operations, or as needed, the toilet holding tanks will be pumped and the contents thereof disposed of in the nearest, approved, sewage disposal facility.
- E. Garbage and other waste material - garbage, trash and other waste materials will be collected in a portable, self-contained and fully-enclosed trash cage during drilling and completion operations. Upon completion of operations (or as needed) the accumulated trash will be disposed of at an authorized sanitary landfill. No trash will be burned on location or placed in the reserve pit.
- F. Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the well location. No adverse materials will be left on the location. Any open pits will be fenced during the drilling operation and the fencing will be maintained until such time as the pits are backfilled.
- G. The reserve and/or production pit will be constructed on the existing location and will not be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls. All pits will be constructed so as not to leak, break, or allow the discharge of liquids therefrom.

#### **8. Ancillary Facilities:**

None anticipated.



## 9. Wellsite Layout:

- A. Plat #1 shows the drill site layout as staked. Cross sections have been drafted to visualize the planned cuts and fills across the location. An average minimum of six (6) inches of topsoil will be stripped from the location (including areas of cut, fill, and/or subsoil storage) and stockpiled for future reclamation of the well site. Refer to Figure #1 for the location of the topsoil and subsoil stockpiles. The reserve pit will be on the North side of location. Access will be from the South. Corner #8 will be rounded to avoid a surface pipeline.
- B. Plat #2 is a diagram showing the rig layout. No permanent living facilities are planned. There may be as many as three (3) trailers on location during drilling operation.
- C. A completion rig will be moved onto location for completion operations after drilling operations have been completed and the drilling rig has been moved off location.
- D. A diagram showing the proposed production facility layout is included in this APD.
- E. The reserve pit will be constructed so as to be capable of holding 12,000 bbls. of fluid.

The reserve pit will be lined with a 12 mil plastic liner, it will be torn and perforated after the pit dries and before backfilling of the reserve pit.

- F. Prior to the commencement of drilling operations, the reserve pit will be fenced on three (3) sides using 39-inch net wire with one strand of barbed wire on top of the net wire. The net wire will be no more than two inches above the ground. the barbed wire will be three inches above the net wire. total height of the fence will be at least 42-inches.
  - 1. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
  - 2. Standard steel, wood, or pipe posts shall be used between the corner braces. The maximum distance between any two (2) posts shall be no greater than sixteen (16) feet.
  - 3. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The fourth side of the reserve pit will be fenced immediately upon removal of the drilling rig and the fencing will be maintained until the pit is backfilled.

- G. Any hydrocarbons on the pit will be removed from the pit as soon as possible after completion operations are completed.

#### 10. Plans for Reclamation of the Surface:

The B.L.M. will be contacted prior to commencement of any reclamation operations.

##### A. Production

1. Immediately upon well completion, the well location and surrounding area(s) will be cleared of all debris, materials, trash and junk not required for production.
2. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
3. The plastic pit liner shall be torn and perforated before backfilling of the reserve pit.
4. Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all cans, barrels, pipe, etc. will be removed.

Other waste and spoil materials will be disposed of immediately upon completion of drilling and workover activities.

5. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed within one hundred twenty (120) days from the date of well completion, weather permitting.
6. If the well is a producer, Equitable Resources Energy Company will, upgrade and maintain access roads as necessary to prevent soil erosion, and accommodate year round traffic. Reshape areas unnecessary to operations, distribute topsoil, disk and seed all disturbed areas outside the work area according to the recommended seed mixture. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

If the well is abandoned/dry hole, Equitable Resources

Energy Company will, restore the access road and location to approximately the original contours. During reclamation of the site, push the fill material into cuts and up over the backslope. Leave no depressions that will trap water or form ponds. Distribute topsoil evenly over the location, and seed according to the above seed mixture. The access road and location shall be ripped or disked prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

Seedbed will be prepared by disking, following the natural contours. Seed will be drilled on contours at a depth no greater than one-half inch (1/2"). In areas that cannot be drilled, seed will be broadcast at double the seeding rate and harrowed into soil. Certified seed will be used whenever available.

Fall seeding will be completed after September 15 and prior to prolonged ground frost. Spring seeding, to be effective, will be completed after the frost has left the ground and prior to May 15th.

7. Upon completion of backfilling, leveling and recontouring, the stockpiled topsoil will be evenly spread over the reclaimed area(s). Prior to reseeding, all disturbed surfaces will be scarified and left with a rough surface. No depressions will be left that would trap water and form ponds. All disturbed surfaces will be reseeded with the seed mixture stipulated by the B.L.M.

Seed will be drilled on the contour to a approximate depth of one-half (1/2) inch. All seeding will be conducted after September 15 and prior to ground frost. Spring seeding will be done after the frost leaves the ground and no later than May 15. If the seeding is unsuccessful, Equitable Resources may be required to make subsequent seedings.

#### B. Dry Hole/Abandoned Location

1. On lands administered by the Bureau of Land Management, abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include:
  - (c) ensuring revegetation of the disturbed areas to the specifications of the Bureau of Land Management at the time of abandonment.

2. All disturbed surfaces will be recontoured to the approximate natural contours and reseeded according to BLM specifications. Reclamation of the well pad and access road will be performed as soon as practical after final abandonment and reseeding operations will be performed in the fall or spring following completion of reclamation operations.

#### **11. Surface Ownership:**

The well site and proposed access road are situated on surface lands administered by

Bureau of Land Management  
Vernal District Office  
Vernal, Utah

#### **12. Other Information:**

- A. Topographic and geologic features of the area (reference Topographic Map #A) are:

The proposed drill site is located in the Monument Butte oil field, which lies in a large basin formed by the Uinta Mountains to the North and the Bookcliff Mountains to the South. The site is located approximately 15 miles Northwest of the Green River, which is the major drainage for this area, and approximately 13 miles Southwest of Myton Utah.

This basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone, conglomerate deposits and shale are common in this area.

The geologic structures that are visible in the area are of the Uinta formation (Eocene Epoch) tertiary period and the cobblestone and younger alluvial deposits from the Quaternary period.

The soils in the semi-arid area of the Williams Fork Formation (Upper Cretaceous) and Wasatch Formation (Eocene) consist of light brownish gray clay (OL) to sand soil (SM-ML) type with poorly graded gravels.

Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area.

The topsoils in the area range from a sandy clay (SM-ML)

type soil to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

The flora of the area includes sagebrush, mountain mahogany, serviceberry, rabbit brush, greasewood, four-wing saltbush, Gambel scrub oak, willow, tamarack, shadscale, Spanish bayonet, indian rice grass, cheatgrass, wheatgrass, curly grass, crested wheatgrass, sweet clover, gum weed, foxtail, mustard, Canadian thistle, Russian thistle, Kochia, sunflowers and cacti.

The fauna of the area includes cattle, horses, elk, deer, coyotes, rabbits, rodents, lizards, bull snakes, rattle snakes, water snakes and horned toads. Birds of the area are ground sparrows, bluejays, bluebirds, magpies, ravens, raptors, morning doves, swallows, nighthawks, hummingbirds, and chukar.

- B. The surface ownership is Federal. The surface use is grazing and petroleum production.
- C.
  - 1. The closest live water is the Green River which is approximately 15 miles Southwest of the proposed site.
  - 2. There are no occupied dwellings in the immediate area
  - 3. An archaeological report will be forwarded upon completion.
  - 4. There are no reported restrictions or reservations noted on the oil and gas lease.
  - 5. A silt catchment dam will not be required for this location.

**13. Lessee's or Operator's Representative:**

Equitable Resources Energy Company  
1601 Lewis Avenue  
P.O. Box 21017  
Billings, Montana 59104  
(8:00 a.m. to 5:00 p.m.)  
(406)259-7860  
FAX: (406)245-1361

Dave McCoskery,

Home (406)248-3864

Dale Griffin,

Home (303)824-3323

**14. certification:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Balcron Oil, a division of Equitable Resources Energy Company, and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

April 26, 1996  
Date

Bobbie Schuman  
Bobbie Schuman  
Coordinator of Environmental  
and Regulatory Affairs  
Equitable Resources Energy Co.



## Well Prognosis

<b>Well Name</b> Monument Federal #43-6-9-16Y				<b>Control Well</b>	
<b>Location</b> NE/SE Sec. 6-T9S-R16E (2214 FSL, 707 FEL)				<b>Operator</b> PG&E	
<b>County/State</b> Duchesne County, UT				<b>Well Name</b> Fed #43-6-G	
<b>Field</b> Monument Butte				<b>Location</b> SW/NE Sec. 6-T9S-R16E	
<b>Well Type</b> Dev.				<b>KB</b> 5898	
<b>GL (Ung)</b> 5837	<b>EST. KB</b> 5846	<b>Total Depth</b> 5950			

Formation Tops	Prognosis		Sample Top		Control Well		High/Low	
	Depth	Datum	Depth	Datum	Datum	Prog	Control	Deviation
UINTA	surface				4115			
GREEN RIVER	1696	4150			3513			
HORSEBENCH S.S.	2298	3548			1798			
2ND GARDEN GULCH	4013	1833			1509			
Y-2 (PAY)	4302	1544			1470			
Y-3 (PAY)	4341	1505			1247			
Y-5 (PAY)	4564	1282			1163			
YELLOW MKR	4648	1198			1016			
DOUGLAS CREEK	4795	1051			986			
R-1 (PAY)	4825	1021			808			
R-5 (PAY)	5003	843			773			
2ND DOUGLAS CREEK	5088	808			637			
GREEN MKR	5174	672			577			
G-3 (PAY)	5234	612			na			
G-5 (PAY)	5315	531			338			
G-6 (PAY)	5463	383			na			
BLACK SHALE FACIES					108			
CARBONATE MKR	5693	153			94			
B-1	5707	139						
TD	5950	104						

<b>Samples</b>	<b>DST,s</b>	<b>Wellsite Geologist</b>
50' FROM 1700' TO 4100'	DST #1 NONE	Name: _____
20' FROM 4100' TO TD	DST #2 _____	From: _____ To: _____
5' THROUGH EXPECTED PAY	DST #3 _____	Address: _____
5' THROUGH DRILLING BREAKS	DST #4 _____	Phone # _____ wk.
		hm.
		Fax # _____

<b>Logs</b>	<b>Cores</b>	<b>Mud Logger</b>
DLL FROM SURF CSNG TO TD	Core #1 _____	Company: _____
LDT/CNL FROM 4200' TO TD	Core #2 _____	From: 1700' To: TD
	Core #3 _____	Type: 2-MAN
	Core #4 _____	Logger: _____
		Phone # _____
<b>Comments:</b>		Fax # _____

<b>Report To:</b>	1st Name: DAVE BICKERSTAFF	Phone # (406)259-7860	wk. (406)245-2261	hm.
	2nd Name: KEVEN REINSCHMIDT	Phone # (406)259-7860	wk. (406)248-7026	hm.
<b>Prepared By:</b>	BICKERSTAFF	Phone # _____	wk.	hm.

D  
1042

BALCRON OIL CO.

Operator: EREC	Well Name: Monument Fed.43-6Y
Project ID:	Location: Duchesne, Utah

Design Parameters:

Mud weight ( 8.80 ppg) : 0.457 psi/ft  
 Shut in surface pressure : 2125 psi  
 Internal gradient (burst) : 0.100 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Body Yield : 1.50 (B)  
 Overpull : 0 lbs.

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	5,950	5-1/2"	15.50	K-55	ST&C	5,950	4.825		
	Collapse Load (psi)	Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2720	4040	1.485	2720	4810	1.77	92.23	222	2.41 J

Prepared by : McCoskery, Billings, MT  
 Date : 04-26-1996  
 Remarks :

Minimum segment length for the 5,950 foot well is 1,500 feet.

The mud gradient and bottom hole pressures (for burst) are 0.457 psi/ft and 2,720 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser. Costs for this design are based on a 1990 pricing model. (Version 1.0G)





**EQUITABLE RESOURCES**  
**ENERGY COMPANY**  
WESTERN REGION

D 2 of 2

**DRILLING PROGRAM**

WELL NAME: Monument Federal #43-6-9-16Y

DATE: 4-26-96

PROSPECT/FIELD: Monument Butte

LOCATION: NE/SE Section 6 Twn.9S Rge.16E

COUNTY: Duchesne

STATE: Utah

TOTAL DEPTH: 5950'

**HOLE SIZE      INTERVAL**

12 1/4"	Surface to 260'
7 7/8"	260' to 5950'

**CASING**

**INTERVAL**

**CASING**

STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE
Surface Casing	0'	260'	8 5/8"	24	J55
Production Casing	0'	5950'	5 1/2"	15.50	K55

**CEMENT PROGRAM**

Surface Casing	150 sacks class "G" with 2% CaCl and 1/4 lb/sack Flocele. (Cement will be circulated to surface.)
----------------	--

Production Casing	250 sacks Thrifty Lite and 400 sacks 50-50 Poz. (Actual cement volumes will be calculated from caliper log with cement top at 2000')
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**PRELIMINARY DRILLING FLUID PROGRAM**

TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Air and Air Mist	0'	260'	N.A.	N.A.	N.A.
Air/Air Mist/KCl wtr	260'	T.D.	8.7-8.9	N.A.	N.A.

**COMMENTS**

1.) No cores or tests are planned for this well.

EXHIBIT E

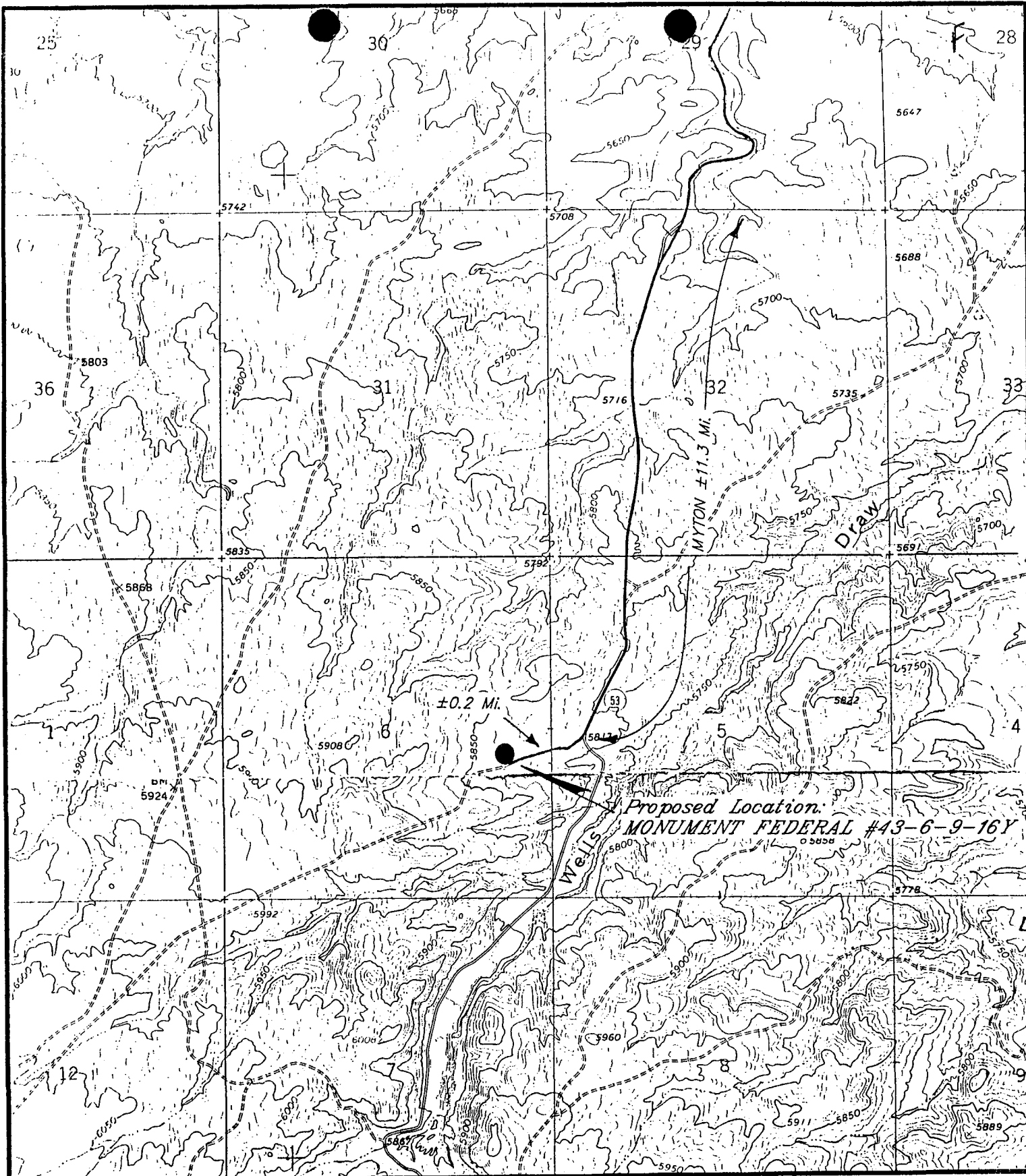
- A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

We anticipate that none of the hazardous chemicals in quantities of 10,000 pounds or more will be associated with these operations.

- B. Extremely hazardous substances threshold quantities (per Howard Cleavinger 11/30/93) of which will be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

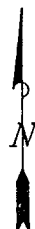
We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

12/1/93  
Revised 12/7/93  
/rs



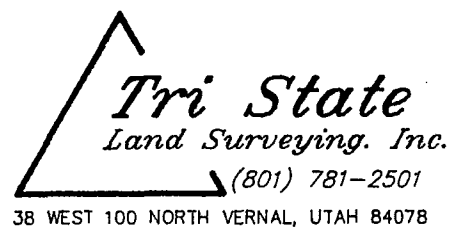
**EQUITABLE RESOURCES CO.**

MONUMENT FEDERAL #43-6-9-16Y  
SEC. 6, T9S, R16E, S.L.B.&M.  
TOPO "B"



SCALE: 1" = 2000'

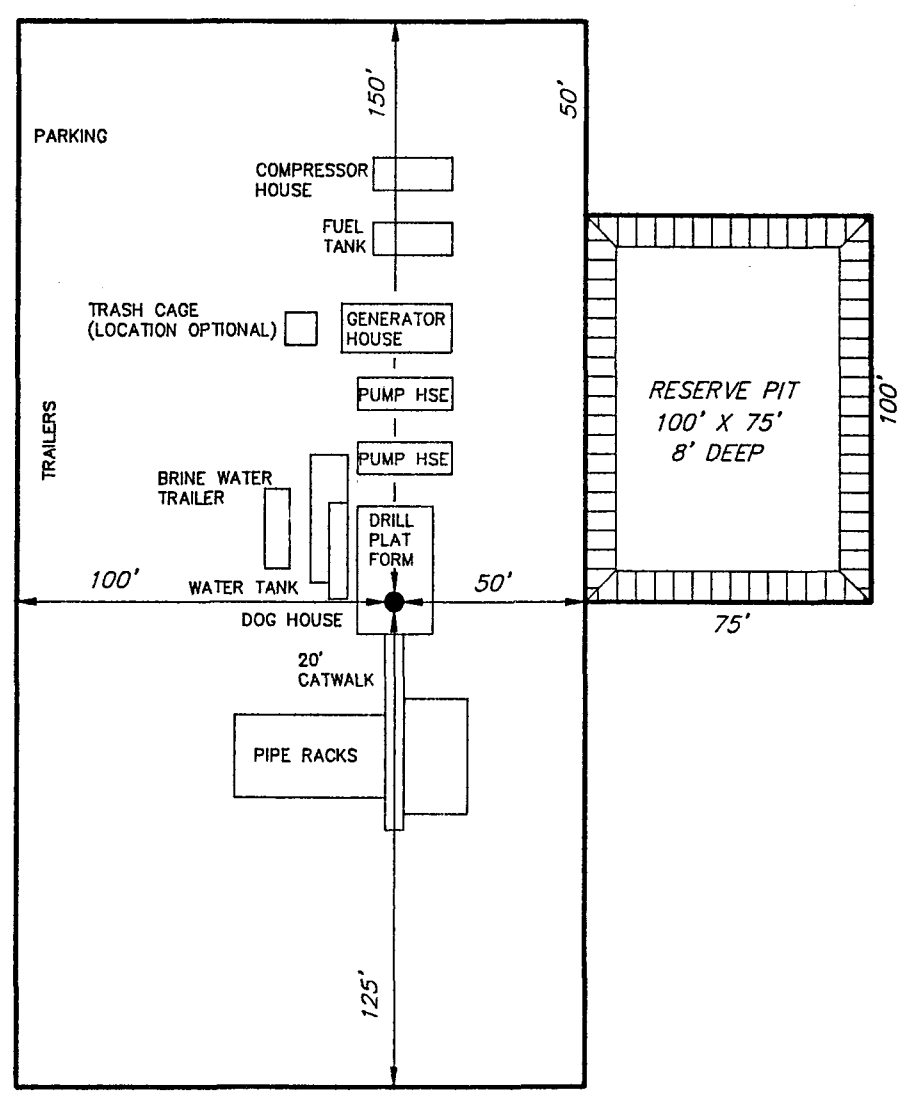
**Tri State**  
Land Surveying, Inc.  
(801) 781-2501  
38 WEST 100 NORTH VERNAL, UTAH 84078



G 1

# TYPICAL RIG LAYOUT

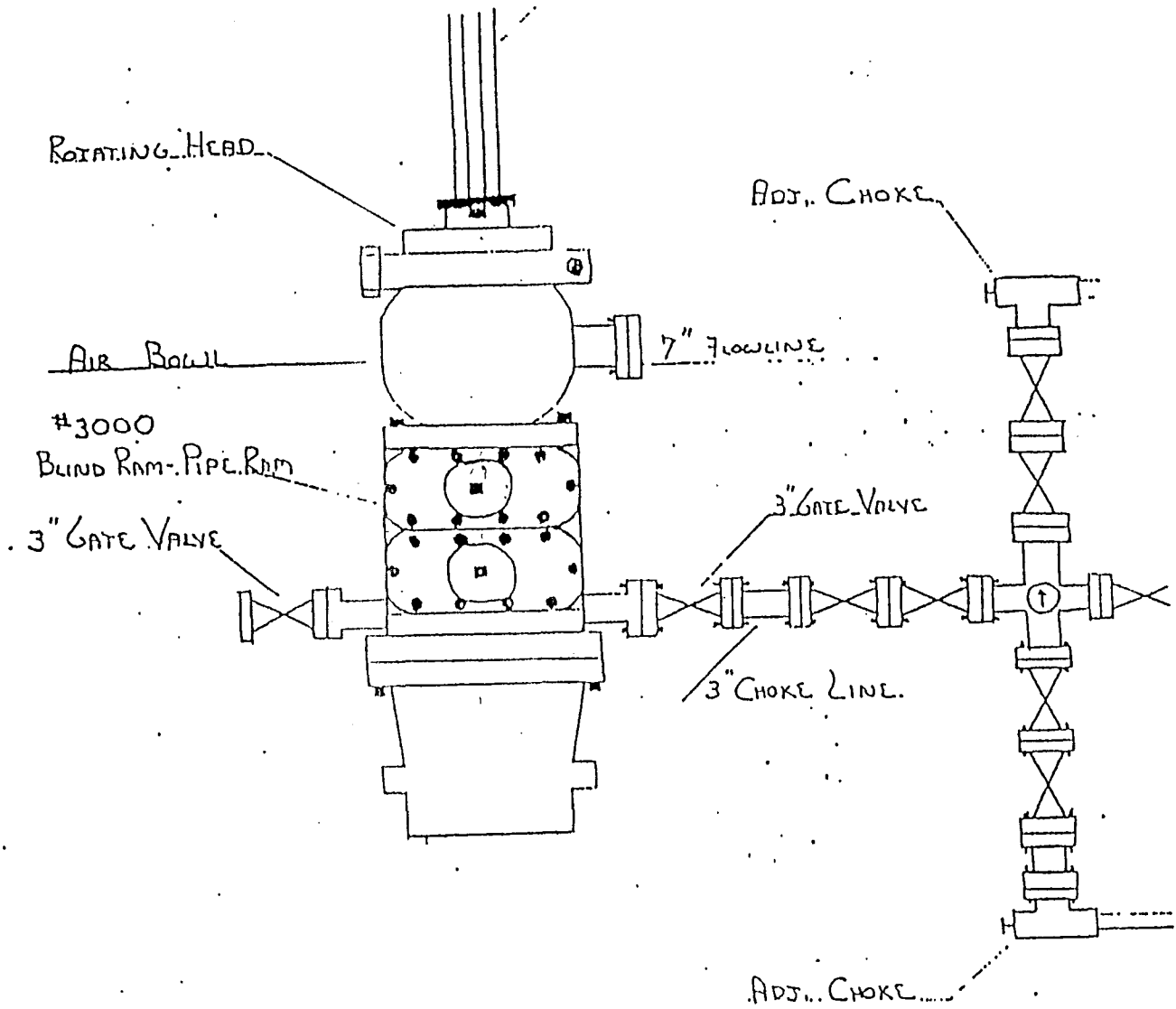
## MONUMENT FEDERAL #43-6-9-16Y



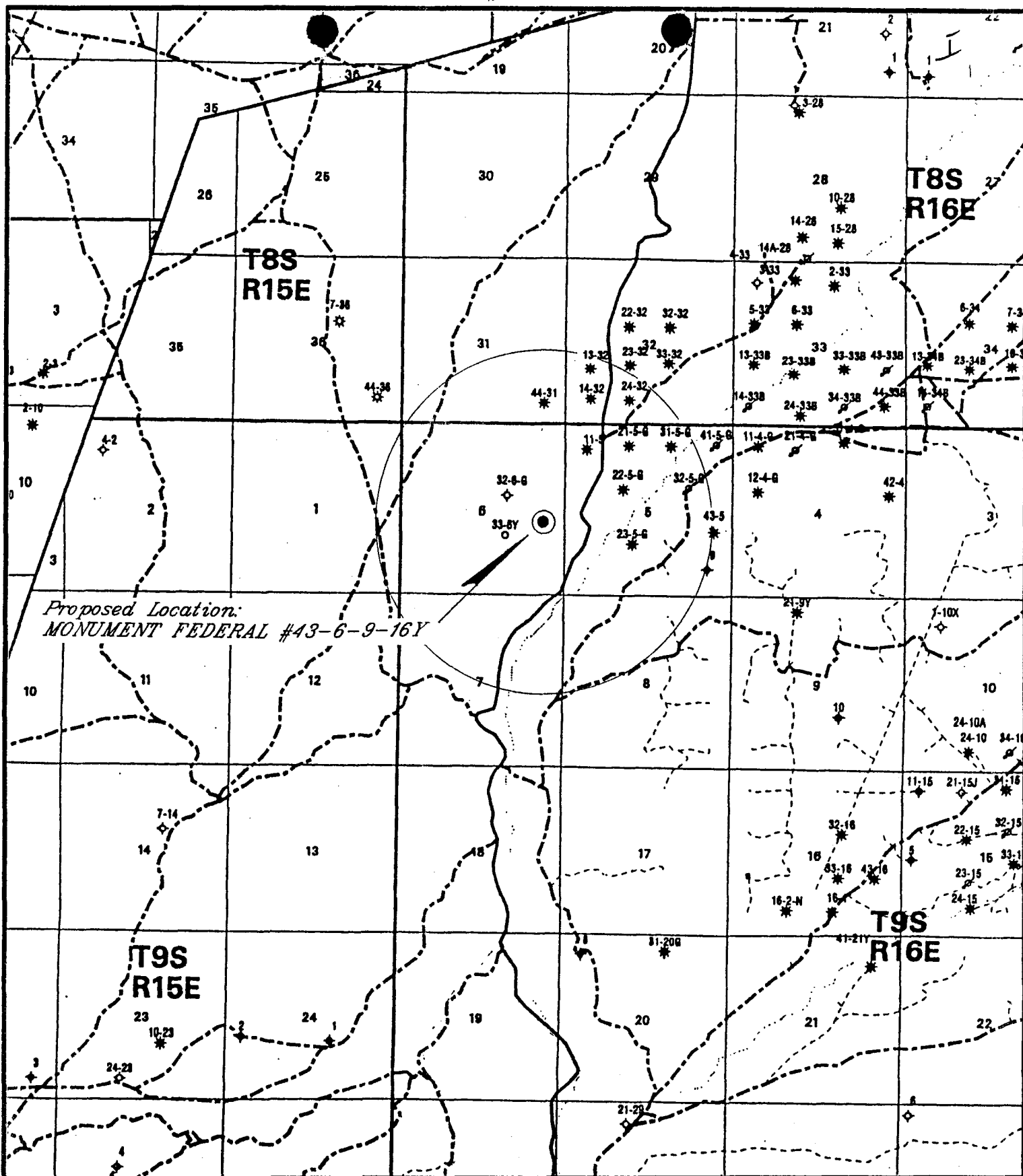
**Tri State**  
Land Surveying, Inc.  
(801) 781-2501  
38 WEST 100 NORTH, VERNAL, UTAH 84078

Hex Kelly

UNION DRILLING RIG #17



#3000 Stack



## PROPOSED PRODUCTION FACILITY DIAGRAM

VALVE DESCRIPTION		
	DURING PROD.	DURING SALES
VALVE #1	CLOSED	OPEN
VALVE #2	OPEN	CLOSED
VALVE #3	CLOSED	OPEN
VALVE #4	OPEN	CLOSED
VALVE #5	CLOSED	CLOSED
VALVE #6	CLOSED	CLOSED
VALVE #7	CLOSED	OPEN

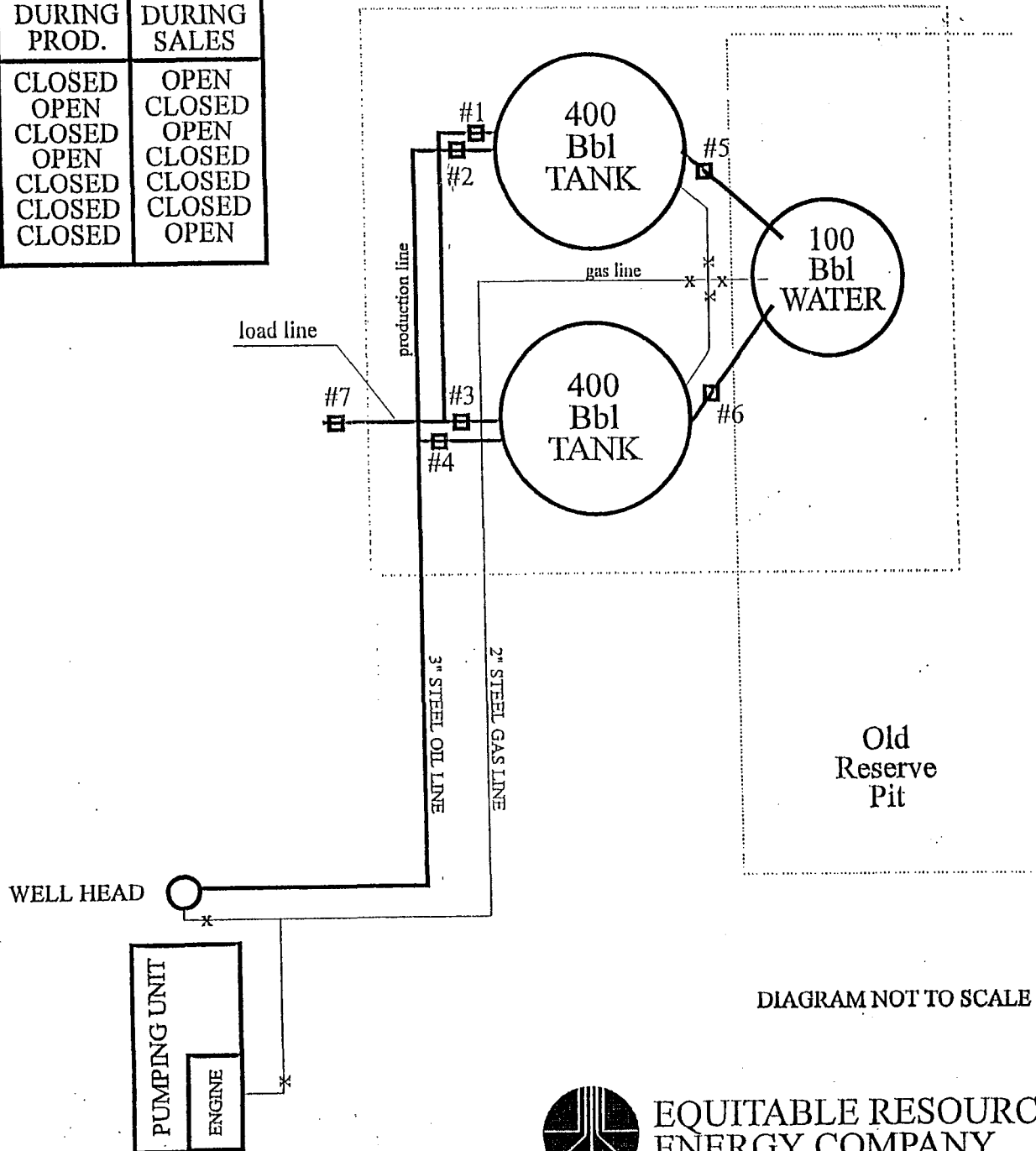
DIKE

DIAGRAM NOT TO SCALE



**EQUITABLE RESOURCES  
ENERGY COMPANY**

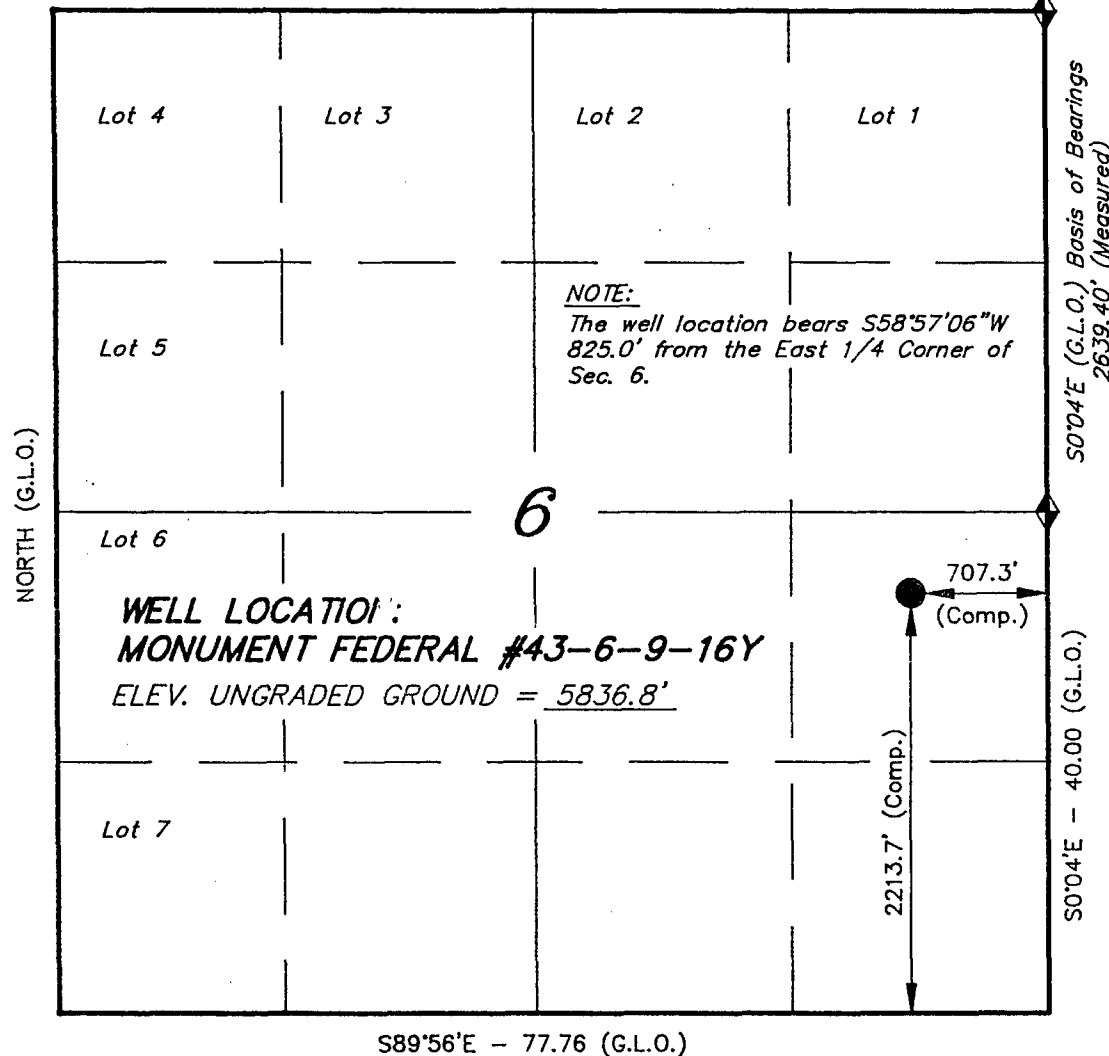
BALCRON OIL DIVISION

1601 Lewis Avenue  
Billings, MT 59104-2  
(406) 259-7860



**T9S, R16E, S.L.B.&M.**

S89°57'E - 77.68 (G.L.O.)



**EQUITABLE RESOURCES ENERGY CO.**

WELL LOCATION, MONUMENT FEDERAL  
 #43-6-9-16Y, LOCATED AS SHOWN IN THE  
 NE 1/4 SE 1/4 OF SECTION 6, T9S,  
 R16E, S.L.B.&M. DUCHESNE COUNTY,  
 UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
 MADE BY ME OR UNDER MY SUPERVISION AND THAT  
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
 MY KNOWLEDGE AND BELIEF.

**STACY W. STEWART**  
 REGISTERED LAND SURVEYOR  
 REGISTRATION No. 18937  
 STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**

38 WEST 100 NORTH - VERNAL, UTAH 84078  
 (801) 781-2501

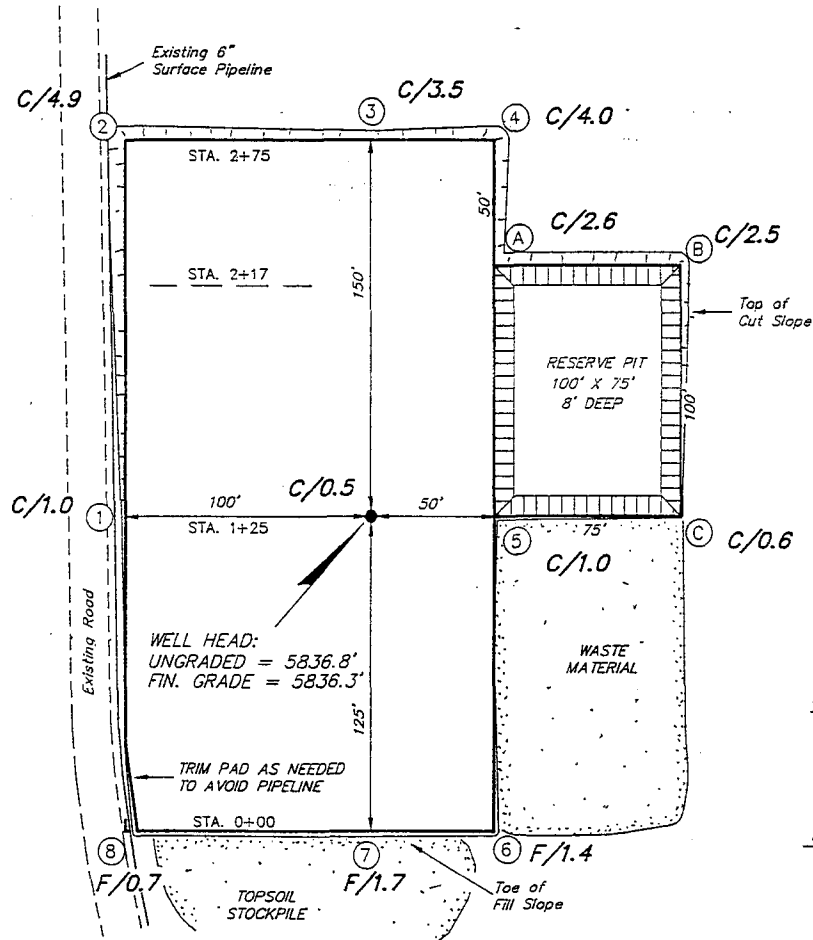
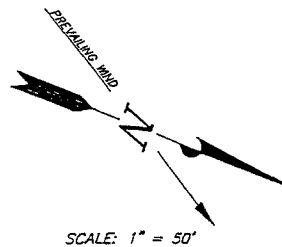
SCALE: 1" = 1000'	SURVEYED BY: S.S.
DATE: 2-29-96	WEATHER: WINDY & COLD
NOTES:	FILE #

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SW)

# EQUITABLE RESOURCES ENERGY CO.

MONUMENT FEDERAL #43-6-9-16Y  
SEC. 6, T9S, R16E, S.L.B.&M.

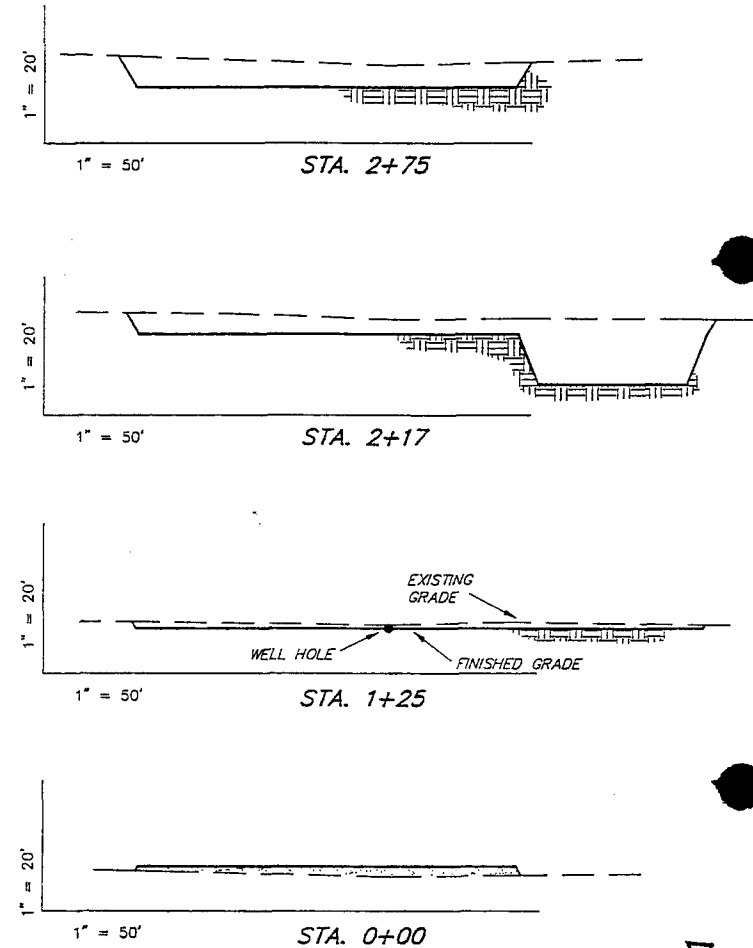


## REFERENCE POINTS

200' WEST = 5840.7'  
250' WEST = 5842.3'  
150' SOUTH = 5837.4'  
200' SOUTH = 5834.5'

## APPROXIMATE YARDAGES

CUT = 1,880 Cu. Yds.  
FILL = 550 Cu. Yds.  
PIT = 1,940 Cu. Yds.  
6" TOPSOIL = 900 Cu. Yds.



SURVEYED BY: S.S.

DRAWN BY: J.R.S.

DATE: 2-29-96

SCALE: 1" = 50'

FILE:

**Tri State**  
Land Surveying, Inc.  
(801) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84078

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

CONFIDENTIAL

5. LEASE DESIGNATION AND SERIAL NO.  
U-43-6-9-16Y

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Equitable Resources Energy Company

3. ADDRESS OF OPERATOR

1601 Lewis Avenue; Billings, MT 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

NE SE Section 6, T9S, R16E

2214' FSL, 707' FEL

At proposed prod. zone

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
n/a

7. UNIT AGREEMENT NAME  
n/a

8. FARM OR LEASE NAME

Monument Federal

9. WELL NO.

#43-6-9-16Y

10. FIELD AND POOL, OR WILDCAT

Monument Butte/Green River

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA  
6, T9S, R16E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

From Myton, UT approximately 10 mi SW

12. COUNTY OR PARISH

Duchesne

13. STATE

UTAH

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5,837' GL

22. APPROX. DATE WORK WILL START\*

June 1, 1996

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See attached	Drilling Program/Casing Design			

Operator intends to drill this well in accordance with the attached EXHIBITS. A listing of EXHIBITS is also attached.

**SELF CERTIFICATION:** I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

ORIGINAL: Bureau of Land Management (Vernal, UT)

COPY; Utah Division of Oil, Gas and Mining (Salt Lake City, UT)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Bobbie Schuman TITLE Regulatory and Environmental Specialist DATE April 26<sup>th</sup>, 1996  
(This space for Federal or State office use)

PERMIT NO. 43-013-31644

APPROVED BY [Signature] TITLE Petroleum Engineer DATE 5/16/96  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/29/96

API NO. ASSIGNED: 43-013-31644

WELL NAME: MONUMENT FEDERAL 43-6-9-16Y  
OPERATOR: EQUITABLE RESOURCES (N9890)

PROPOSED LOCATION:

NESE 06 - T09S - R16E  
SURFACE: 2214-FSL-0707-FEL  
BOTTOM: 2214-FSL-0707-FEL  
DUCHESNE COUNTY  
CASTLE PEAK FIELD (075)

LEASE TYPE: FED  
LEASE NUMBER: U - 74390

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat  
☒ Bond: Federal ☒ State ☐ Fee ☐  
(Number 5547198)  
☒ Potash (Y/N)  
☒ Oil shale (Y/N)  
☒ Water permit  
(Number PRIVATE SUPPLY)  
☒ RDCC Review (Y/N)  
(Date: \_\_\_\_\_)

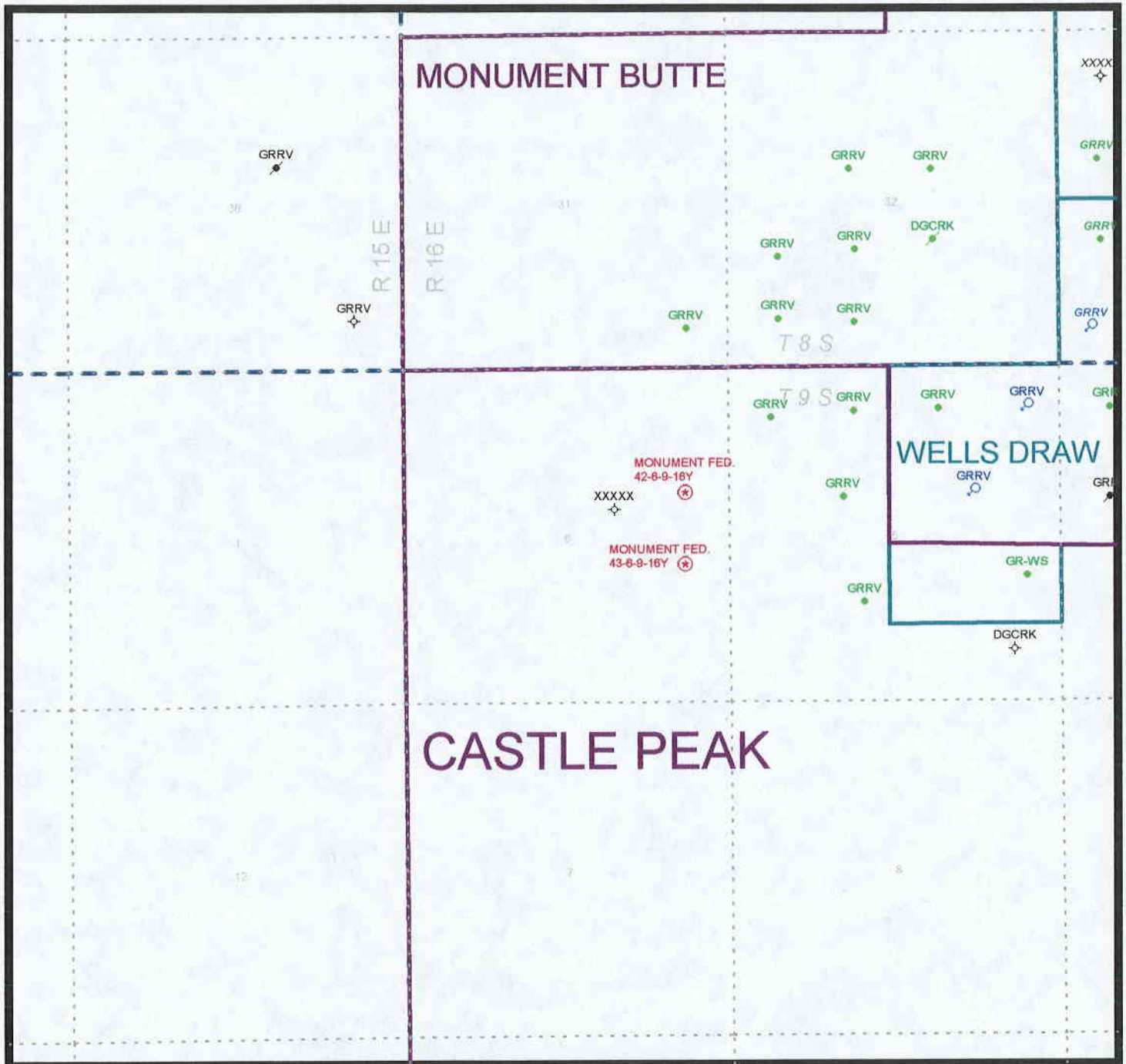
LOCATION AND SITING:

\_\_\_ R649-2-3. Unit: \_\_\_\_\_  
\_\_\_ R649-3-2. General.  
☒ R649-3-3. Exception.  
\_\_\_ Drilling Unit.  
\_\_\_ Board Cause no: \_\_\_\_\_  
\_\_\_ Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

STIPULATIONS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**EQUITABLE RESOURCES  
DEVELOPMENT DRILLING  
SEC. 6, T9S, R16E,  
DUCHESNE, COUNTY R649-3-2 & 3-3**



**PREPARED:  
DATE: 1-MAY-96**

**STATE OF UTAH, DIV OF OIL, GAS & MINERALS**

<b>Operator: EQUITABLE RESOURCES</b>	<b>Well Name: MON FED 43-6-9-16Y</b>
<b>Project ID: 43-013-31644</b>	<b>Location: SEC. 06 - T09S - R16E</b>

**Design Parameters:**

Mud weight ( 8.80 ppg) : 0.457 psi/ft  
 Shut in surface pressure : 2328 psi  
 Internal gradient (burst) : 0.066 psi/ft  
 Annular gradient (burst) : 0.000 psi/ft  
 Tensile load is determined using air weight  
 Service rating is "Sweet"

**Design Factors:**

Collapse : 1.125  
 Burst : 1.00  
 8 Round : 1.80 (J)  
 Buttress : 1.60 (J)  
 Other : 1.50 (J)  
 Body Yield : 1.50 (B)

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost	
1	5,950	5.500	15.50	K-55	ST&C	5,950	4.825		
	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2720	4040	1.485	2720	4810	1.77	92.23	222	2.41 J

Prepared by : MATTHEWS, Salt Lake City, Utah

Date : 05-16-1996

Remarks :

Minimum segment length for the 5,950 foot well is 1,500 feet.

SICP is based on the ideal gas law, a gas gravity of 0.75, and a mean gas temperature of 116°F (Surface 74°F , BHT 157°F & temp. gradient 1.400°/100 ft.)

String type: Production

The mud gradient and bottom hole pressures (for burst) are 0.457 psi/ft and 2,720 psi, respectively.

**NOTE:** The design factors used in this casing string design are as shown above. As a general guideline, Lone Star Steel recommends using minimum design factors of 1.125 - collapse (with evacuated casing), 1.0 - (uniaxial) burst, 1.8 - API 8rd tension, 1.6 - buttress tension, 1.5 - body yield tension, and 1.6 - EUE 8rd tension. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.  
 Costs for this design are based on a 1987 pricing model. (Version 1.07)

EQUITABLE RESOURCES

MON. PEDENAL 43-6-9-168

U-74390

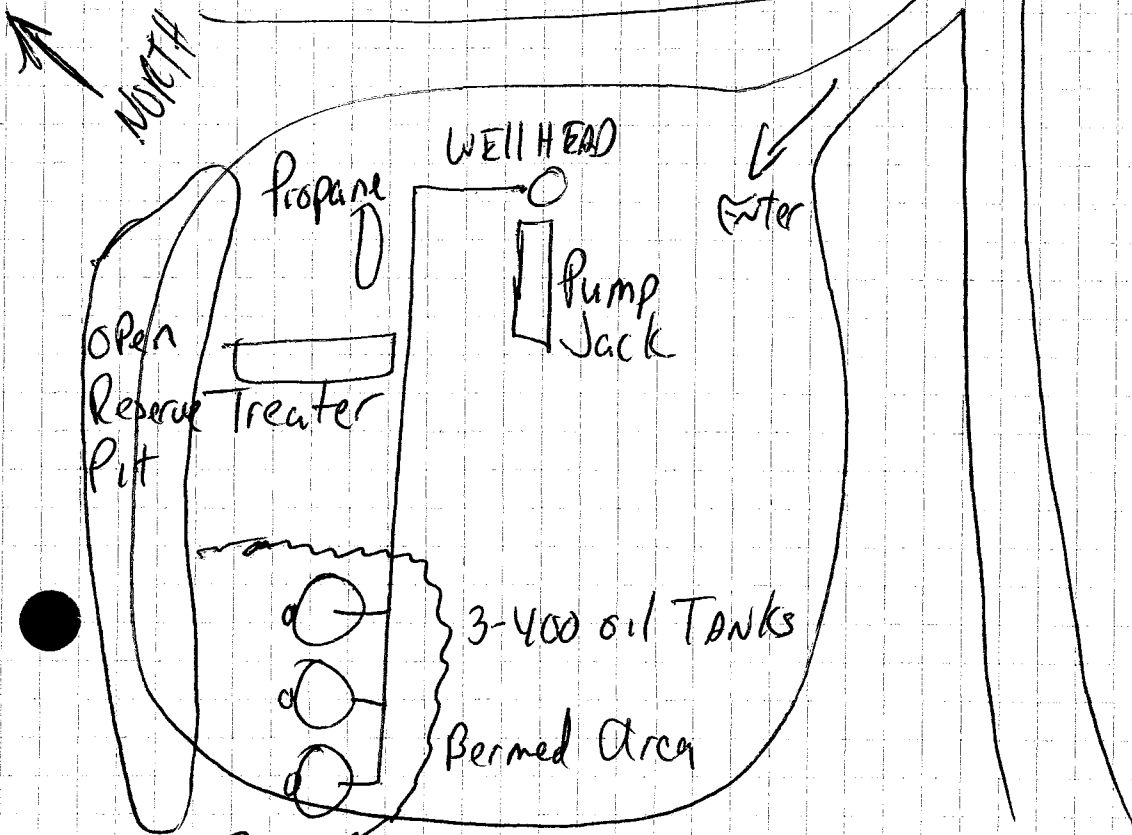
Sec 6 ; T9S ; R16E

43-013-31644

POW

9 mile Road

8/14/96  
JL





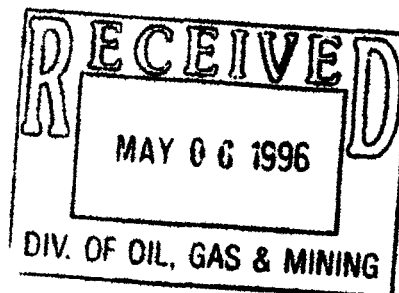
**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**WESTERN REGION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☒

May 3, 1996



Mr. Mike Hebertson  
State of Utah  
Division of Oil, Gas and Mining  
355 W. North Temple  
Salt Lake City, UT 84180

Dear Mr. Hebertson:

As Operator, we request an exception to location for the following proposed wellsites:

Monument Federal #43-6-9-16Y  
NE SE Section 6, T9S, R16E  
Duchense County, Utah

Monument Federal #11-22-9-16Y  
NW NW Section 22, T9S, R16E  
Duchesne County, Utah

Both were moved during the onsite at the request of the Bureau of Land Management.

If you have any questions, please do not hesitate to give me a call at (406) 259-7860, extension 240.

Sincerely,

Bobbie Schuman  
Regulatory and  
Environmental Specialist

/hs



EQUITABLE RESOURCES CO.

BALCRON OIL

MONUMENT FEDERAL #43-6-9-16Y

NE/SE SECTION 6, T9S, R16E, SLB&M

Duchesne County, Utah

PALEONTOLOGY REPORT

WELLPAD LOCATION AND ACCESS ROAD

BY

ALDEN H. HAMBLIN  
PALEONTOLOGIST  
235 EAST MAIN  
VERNAL, UTAH 84078

MAY 8, 1996

RESULTS OF PALEONTOLOGY SURVEY AT EQUITABLE RESOURCES CO. MONUMENT FEDERAL  
#43-6-9-16, NE/SE Section 6, T9S, R16E, S.L.B.&M, Duchesne Co., Utah.

Description of Geology and Topography-

This well location is 9 miles south and 5 miles west of Myton, Utah, just west of Wells Draw. The wellpad sets next to an existing road on a fairly flat area covered with fragments of white limestone and sand.

All rock outcrops in the area are of the Upper Eocene Uinta Formation, known for its fossil vertebrate fauna of mammals, turtles, crocodilians, and occasional fish remains and plant impressions.

Paleontological material found -

No fossils were found on the wellpad area.

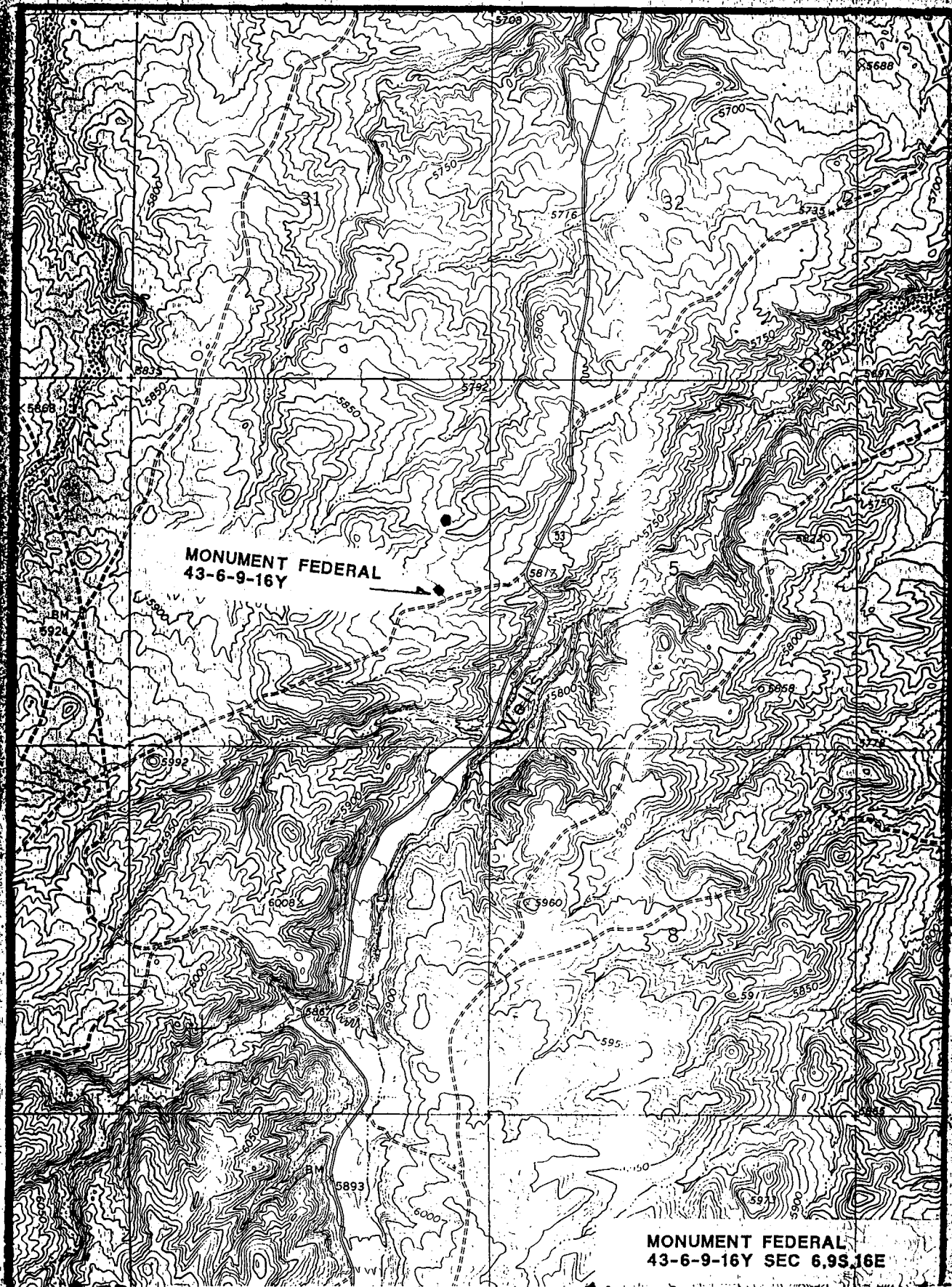
Recommendations-

There is always some potential for encountering significant fossils when working in the Uinta Formation. If important looking fossil material is found during construction, a paleontologist should be called to evaluate it.

No other recommendations are being made for paleontology at this location.

Alban H. Hamblin  
Paleontologist

Date May 9, 1996





State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

May 16, 1996

Equitable Resources Energy Co.  
1601 Lewis Avenue  
Billings, Montana 59102

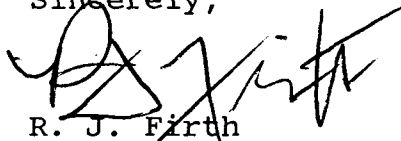
Re: Monument Federal 43-6-9-16Y Well, 2214' FSL, 707' FEL,  
NE SE, Sec. 6, T. 9 S., R. 16 E., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31644.

Sincerely,

  
R. J. Firth  
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor

Bureau of Land Management, Vernal District Office

WAPD

Operator: Equitable Resources Energy  
Well Name & Number: Monument Federal 43-6-9-16Y  
API Number: 43-013-31644  
Lease: U-74390  
Location: NE SE Sec. 6 T. 9 S. R. 16 E.

### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

**CULTURAL RESOURCE EVALUATION  
OF 11 PROPOSED MONUMENT FEDERAL WELL LOCATIONS  
IN THE WELLS DRAW, CASTLE PEAK DRAW,  
PLEASANT VALLEY, & PARIETTE BENCH LOCALITIES  
OF DUCHESNE COUNTY, UTAH**

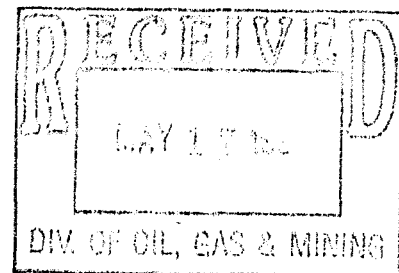
Report Prepared for **Equitable Resources Energy Company**

Dept. of Interior Permit No.: UT-96-54937  
AERC Project 1527 (BLCR-96-2)

Utah State Project No.: UT-96-AF-217b

Principal Investigator  
F. Richard Hauck, Ph.D.

Author of the Report  
F. Richard Hauck



**ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH  
CORPORATION (AERC)**

181 North 200 West, Suite 5  
Bountiful, Utah 84011-0853

May 10, 1996

## ABSTRACT

An intensive cultural resource evaluation has been conducted for Equitable Resources Energy Company of 11 proposed Monument Federal well locations situated on federally administered lands in the Wells Draw, Castle Peak Draw, Pleasant Valley, and Pariette Bench localities of Duchesne County, Utah. This evaluation includes the Monument Federal Units 42-6-9-16Y, 43-6-9-16Y, 11-22-9-16Y, 12-11-9-17Y, 41-18-9-16Y, 14-22-8-17, 24-17-9-16, 44-17-9-16, 22-20-9-16, 42-20-9-16, and 31-5-9-17. This study involved a total of ca. 134.7 acres; 110 acres are associated with the ten acre parcels examined around each of the 11 well locations and 24.7 and acres are associated with the 2.07 miles of access routes associated with eight of the 11 well locations. These investigations were conducted by F.R. Hauck and by Glade Hadden on May 1 and 7, 1996; these archaeologists were assisted by James Merrell of Vernal, Utah.

No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed 11 well locations and associated access routes.

No newly identified historic or prehistoric cultural resource loci were identified and recorded during the inventory.

No isolated artifacts were noted during the evaluations.

AERC recommends project clearance based on adherence to the stipulations noted in the final section of this report.

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## GENERAL INFORMATION

On May 1 and 7, 1996, AERC archaeologists F. Richard Hauck and Glade Hadden, assisted by James Merrell, conducted intensive cultural resource evaluations of 11 proposed Monument Federal well locations in the Wells Draw, Castle Peak Draw, Pleasant Valley and Pariette Bench localities of Duchesne County, Utah (see Map 1). The purpose of this report is to detail the results of these evaluations, which include the Monument Federal Units 42-6-9-16Y, 43-6-9-16Y, 11-22-9-16Y, 12-11-9-17Y, 41-18-9-16Y, 14-22-8-17, 24-17-9-16, 44-17-9-16, 22-20-9-16, 42-20-9-16, & 31-5-9-17 (see Maps 2 through 7) and access routes associated with eight of the 11 well sites. Some 134.7 acres were examined which include 110 acres associated with the 11 ten acre well pad parcels and 24.7 acres associated with the 2.07 miles of 100 foot-wide access corridor. All proposed pipelines are situated on federal lands administered by the Vernal District of the Bureau of Land Management, Diamond Mountain Resource Area, Vernal, Utah.

The purpose of the field study and this report is to identify and document cultural site presence and assess National Register potential significance relative to established criteria (cf., Title 36 CFR 60.6). The proposed development of these well locations and access corridors requires an archaeological evaluation in compliance with U.C.A. 9-8-404, the Federal Antiquities Act of 1906, the Reservoir Salvage Act of 1960-as amended by P.L. 93-291, Section 106 of the National Historic Preservation Act of 1966-as amended, the National Environmental Policy Act of 1969, the Federal Land Policy and Management Act of 1979, the Archaeological Resources Protection Act of 1979, the Native American Religious Freedom Act of 1978, the Historic Preservation Act of 1980, and Executive Order 11593.

In addition to documenting cultural identity and significance, mitigation recommendations relative to the preservation of cultural data and materials can be directed to the Bureau of Land Management, Vernal District Office and to the State Antiquities Section.

## Project Location

The project location is in the Wells Draw, Castle Peak Draw, Pleasant Valley, and Pariette Bench localities of Duchesne County, Utah. These 11 wells are situated on the Myton SW, Myton SE, and Pariette Draw SW, 7.5 minute topographic quads. The proposed Monument Federal Wells are in the following sections:

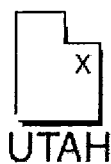
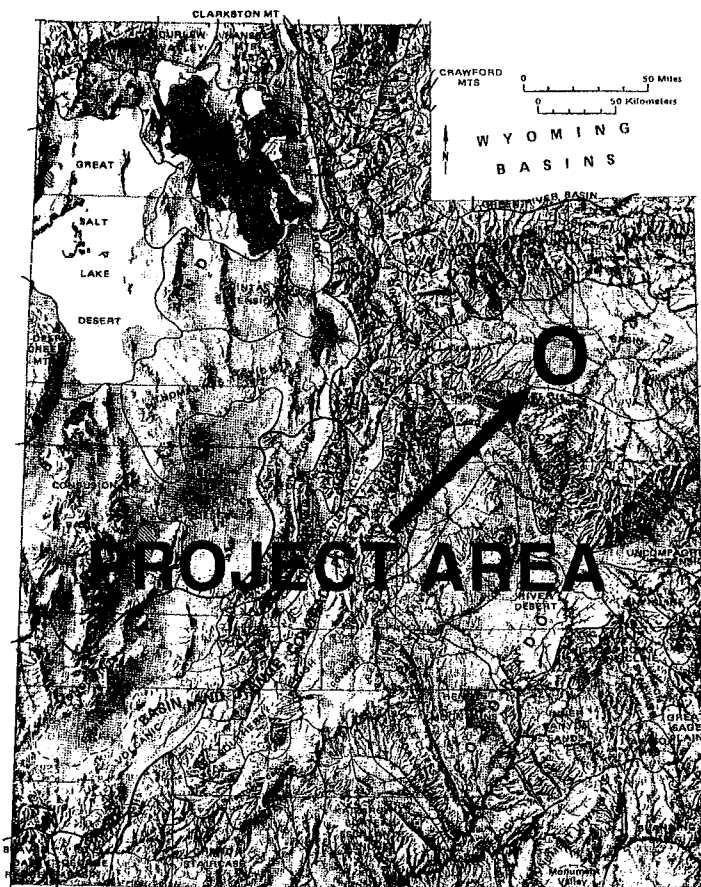
**Unit 42-6-9-16Y** (see Map 2) is in the southeast quarter of the northeast quarter of Section 6, Township 9 South, Range 16 East, Salt Lake B. & M. Its .3 mile-long access links to an existing two-track to the south of the location;

**Unit 43-6-9-16Y** (see Map 2) is in the northeast quarter of the southeast quarter of Section 6, Township 9 South, Range 16 East, Salt Lake B. & M.

**MAP 1: GENERAL PROJECT LOCALITY  
IN  
DUCHESNE COUNTY  
UTAH**



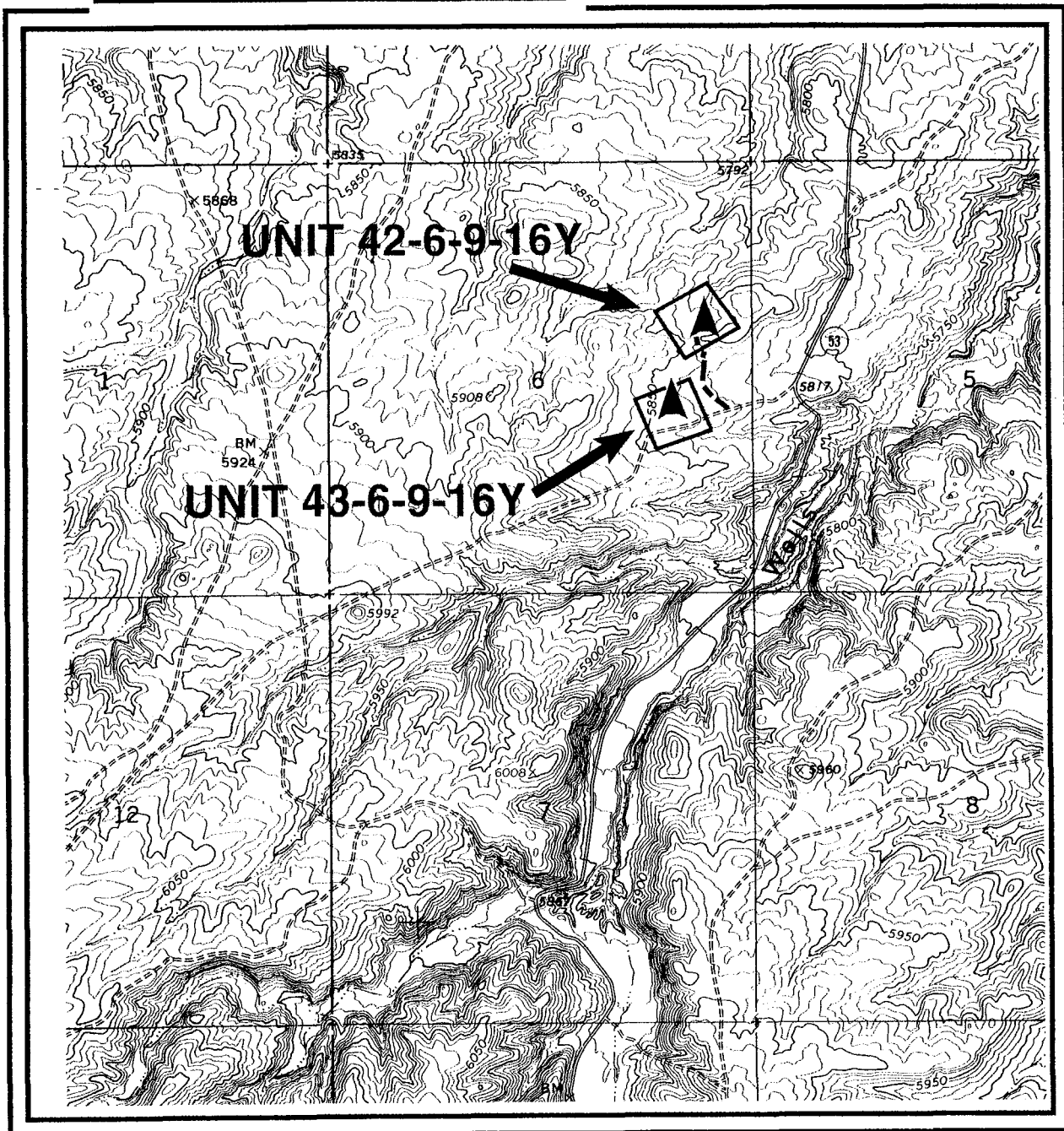
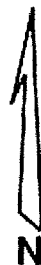
**PROJECT: BLCR - 96 - 2**  
**SCALE: see below**  
**QUAD: see below**  
**DATE: May 10, 1996**



**TOWNSHIP: MULTIPLE**  
**RANGE: MULTIPLE**  
**MERIDIAN: SALT LAKE & UINTAH B. & M.**

**MAP 2: CULTURAL RESOURCE SURVEY  
OF PROPOSED WELL LOCATIONS IN  
THE WELLS DRAW  
LOCALITY OF DUCHESNE COUNTY,  
UTAH**

**PROJECT:** BLCR - 96- 2  
**SCALE:** 1: 24,000  
**QUAD:** Myton SW, Utah  
**DATE:** May 10, 1996



**TOWNSHIP:** 9 South  
**RANGE:** 16 East  
**MERIDIAN:** Salt Lake B. & M.

**LEGEND**

Well Location ▲

Access Route - - -

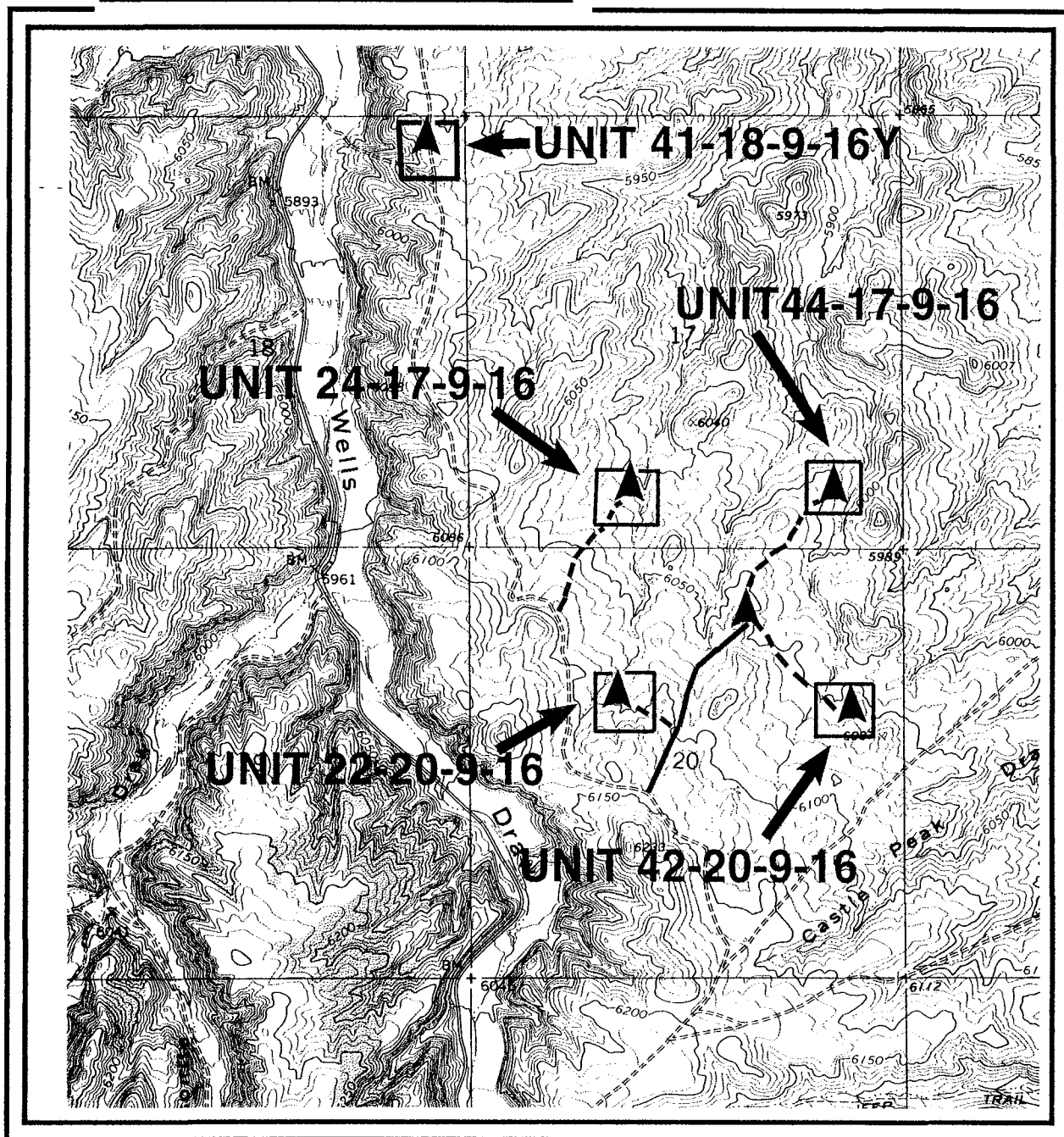
Survey Area □

Pipeline Corridor ↔

**MAP 3: CULTURAL RESOURCE SURVEY  
OF PROPOSED WELL LOCATIONS IN  
THE WELLS DRAW  
LOCALITY OF DUCHESNE COUNTY,  
UTAH**



PROJECT: BLCR - 96- 2  
SCALE: 1: 24,000  
QUAD: Myton SW, Utah  
DATE: May 10, 1996



TOWNSHIP: 9 South  
RANGE: 16 East  
MERIDIAN: Salt Lake B. & M.

**LEGEND**

Well Location ▲

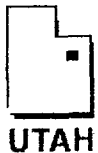
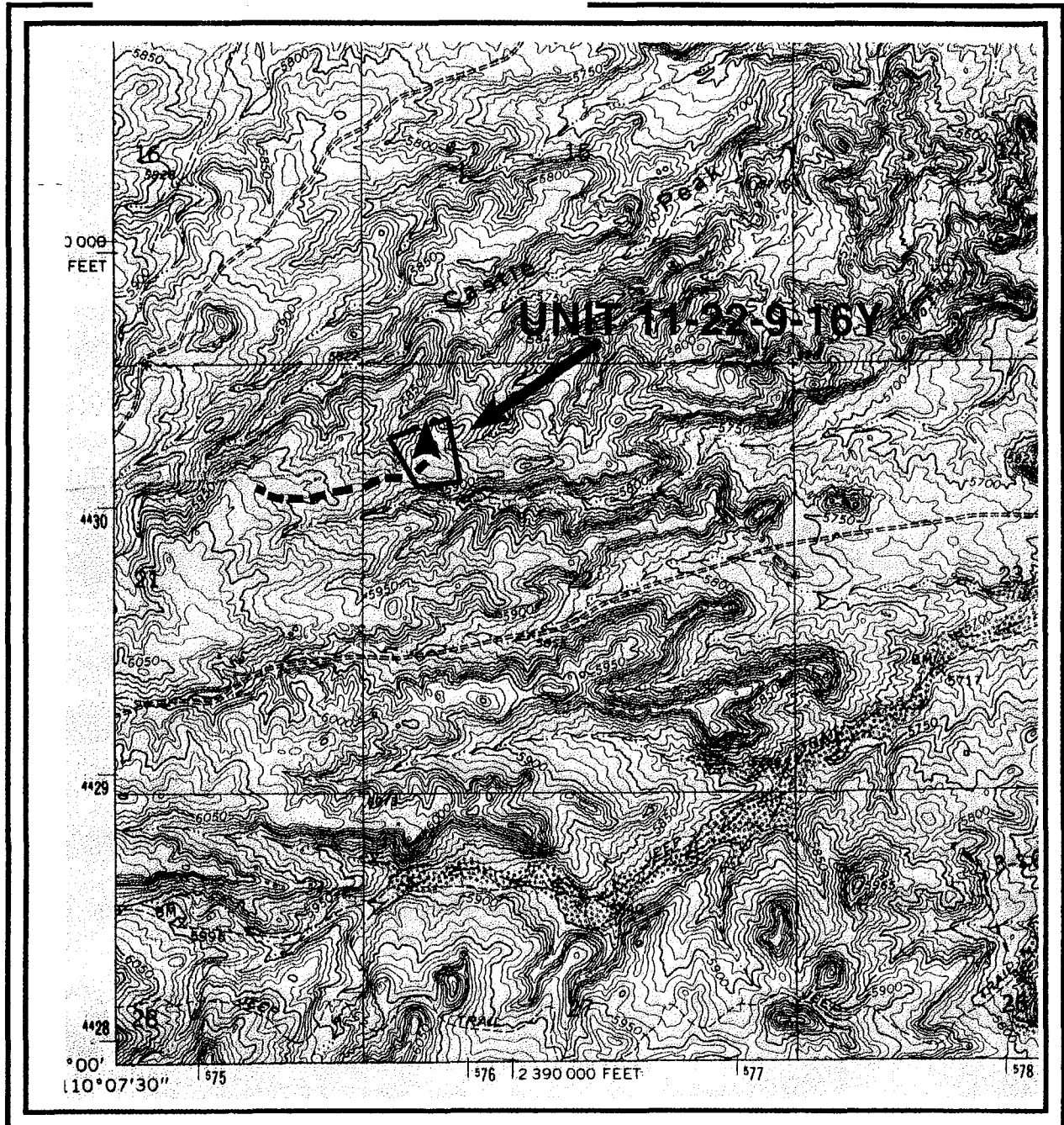
Access Route ———

Survey Area □

Pipeline Corridor ↔

**MAP 4: CULTURAL RESOURCE SURVEY  
OF PROPOSED WELL LOCATIONS IN  
CASTLE PEAK DRAW  
LOCALITY OF DUCHESNE COUNTY,  
UTAH**

**PROJECT:** BLCR - 96- 2  
**SCALE:** 1: 24,000  
**QUAD:** Myton SE, Utah  
**DATE:** May 10, 1996



**TOWNSHIP: 9 South**  
**RANGE: 16 East**  
**MERIDIAN: Salt Lake B. & M.**

## LEGEND

### Well Location



### Access Route



**Survey  
Area**



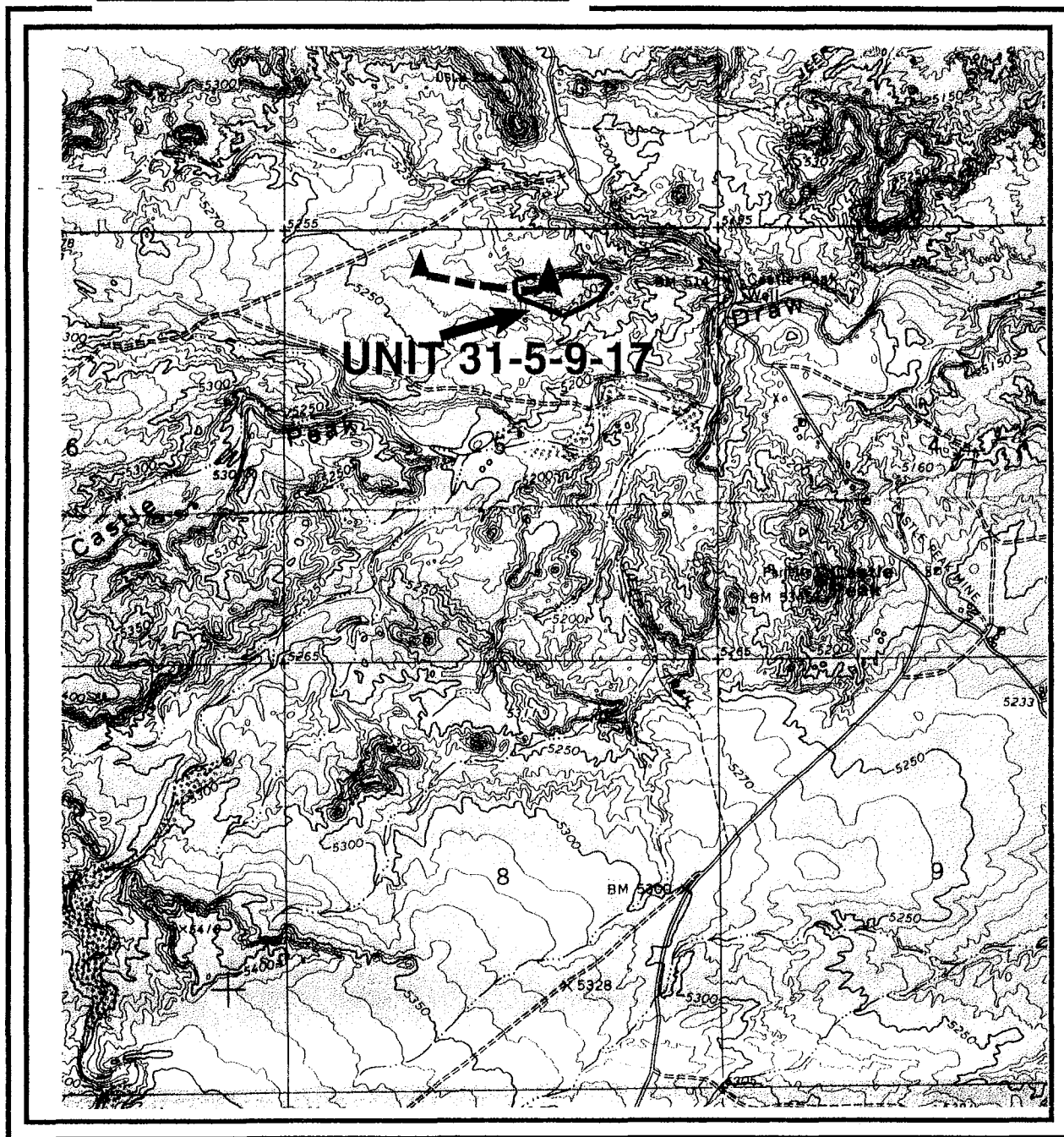
## Pipeline Corridor





**MAP 5: CULTURAL RESOURCE SURVEY  
OF PROPOSED WELL LOCATIONS IN  
CASTLE PEAK DRAW  
LOCALITY OF DUCHESNE COUNTY,  
UTAH**

**PROJECT:** BLCR - 96- 2  
**SCALE:** 1: 24,000  
**QUAD:** Myton SE, Utah  
**DATE:** May 10, 1996



**TOWNSHIP:** 9 South  
**RANGE:** 17 East  
**MERIDIAN:** Salt Lake B. & M.

**LEGEND**

Well Location ▲

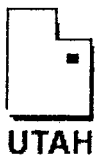
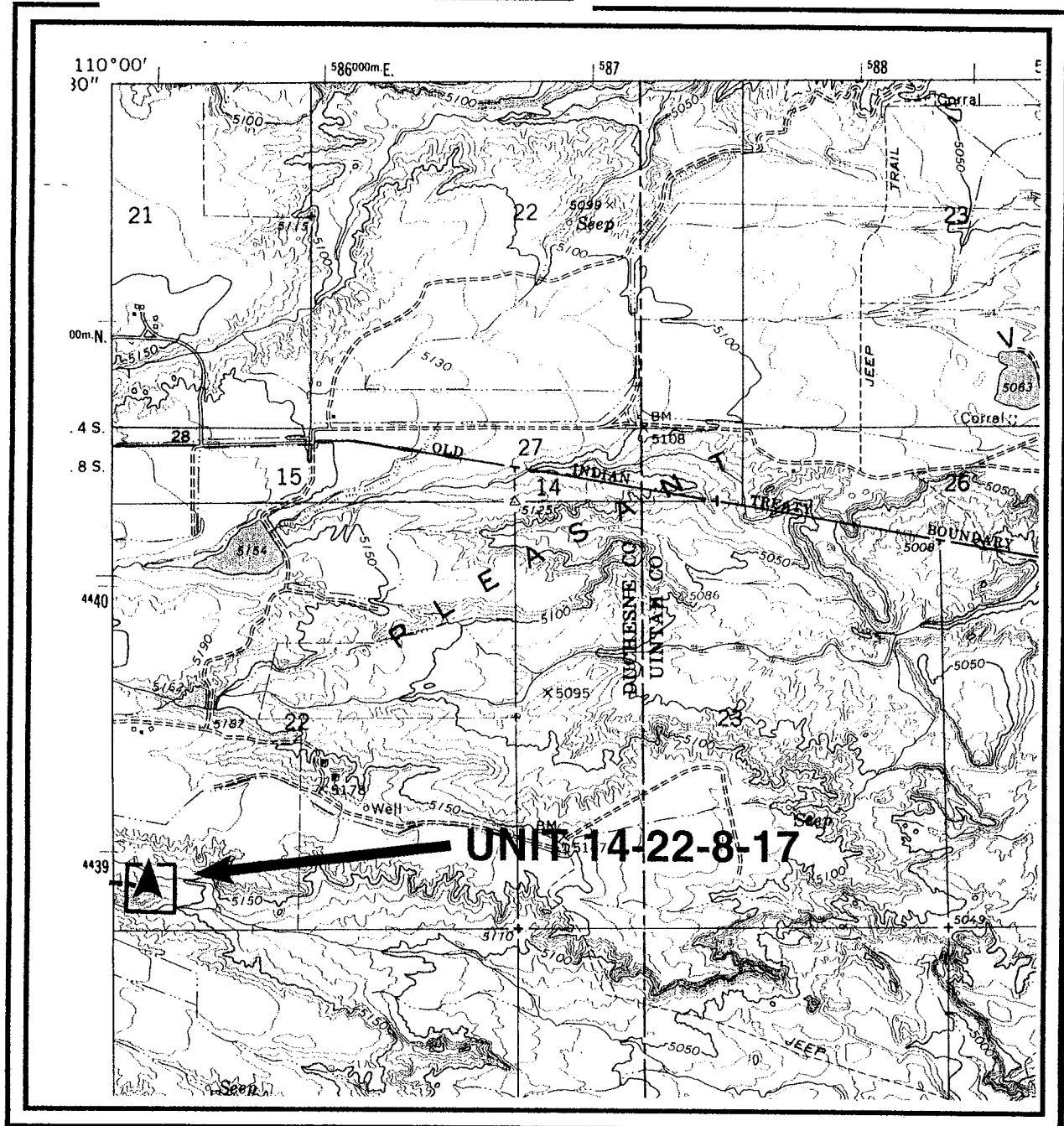
Access Route - - -

Survey Area □

Pipeline Corridor ↗

**MAP 6: CULTURAL RESOURCE SURVEY  
OF PROPOSED WELL LOCATIONS IN  
THE PLEASANT VALLEY  
LOCALITY OF DUCHESNE COUNTY,  
UTAH**

**PROJECT:** BLCR - 96- 2  
**SCALE:** 1: 24,000  
**QUAD:** Pariette Draw SW, Utah  
**DATE:** May 10, 1996



**TOWNSHIP: 8 South**  
**RANGE: 17 East**  
**MERIDIAN: Salt Lake B. & M.**

## LEGEND

### Well Location

### Access Route

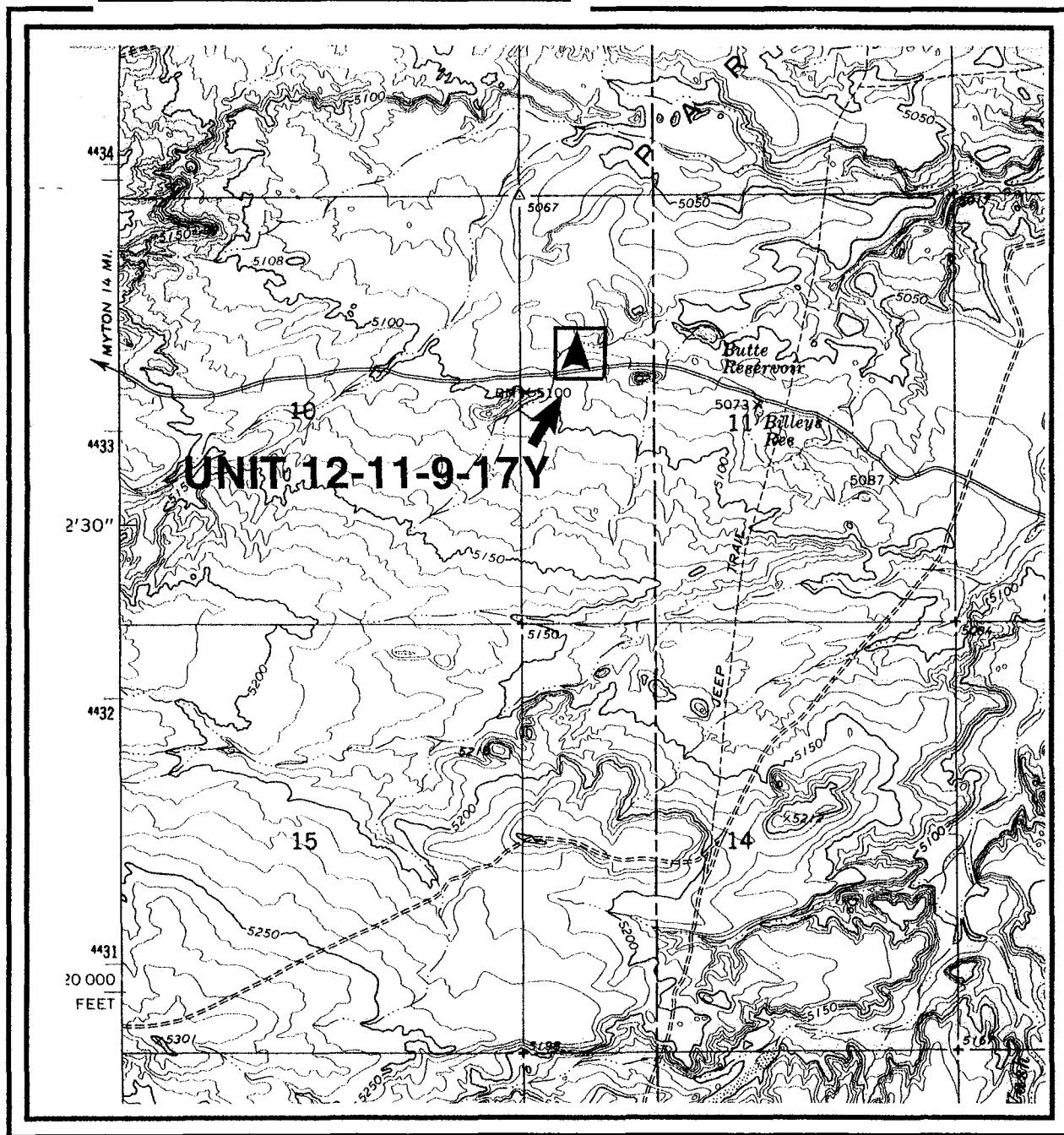
**Survey  
Area**

## Pipeline Corridor



**MAP 7: CULTURAL RESOURCE SURVEY  
OF PROPOSED WELL LOCATIONS IN  
THE PARIETTE BENCH  
LOCALITY OF DUCHESNE COUNTY,  
UTAH**

**PROJECT:** BLCR - 96- 2  
**SCALE:** 1: 24,000  
**QUAD:** Pariette Draw SW, Utah  
**DATE:** May 10, 1996



**TOWNSHIP:** 9 South  
**RANGE:** 17 East  
**MERIDIAN:** Salt Lake B. & M.

**LEGEND**

Well Location ▲

Access Route - - -

Survey Area □

Pipeline Corridor ↗↘

**Unit 41-18-9-16Y** (see Map 3) is in the northeast quarter of the northeast quarter of Section 18, Township 9 South, Range 16 East, Salt Lake B. & M.

**Unit 24-17-9-16** (see Map 3) is in the southeast quarter of the southwest quarter of Section 17, Township 9 South, Range 16 East, Salt Lake B. & M. Its .33 mile-long access route links with the county road to the southwest of the location.

**Unit 44-17-9-16** (see Map 3) is in the southeast quarter of the southeast quarter of Section 17, Township 9 South, Range 16 East, Salt Lake B. & M. Its .3 mile-long access route links with an existing well location and road to the southwest of the location.

**Unit 22-20-9-16** (see Map 3) is in the southeast quarter of the northwest quarter of Section 20, Township 9 South, Range 16 East, Salt Lake B. & M. Its .1 mile-long access route links with an existing road to the southeast of the location.

**Unit 42-20-9-16** (see Map 3) is in the southeast quarter of the northeast quarter of Section 20, Township 9 South, Range 16 East, Salt Lake B. & M. Its .23 mile-long access route links with an existing well location to the northwest of the location.

**Unit 11-22-9-16Y** (see Map 4) is in the northwest quarter of the northwest quarter of Section 22, Township 9 South, Range 16 East, Salt Lake B. & M. Its .38 mile-long access route links with an existing road to the west of the location.

**Unit 31-5-9-17** (see Map 5) is in the northwest quarter of the northeast quarter of Section 5, Township 9 South, Range 17 East, Salt Lake B. & M. Its .33 mile-long access route links with an existing well to the west of the location.

**Unit 14-22-8-17** (see Map 6) is in the southwest quarter of the southwest quarter of Section 22, Township 8 South, Range 17 East, Salt Lake B. & M. Its .1 mile-long access route links with the county road to the west of the location after passing through a pasture on private land.

**Unit 12-11-9-17Y** (see Map 7) is in the southwest quarter of the northwest quarter of Section 11, Township 9 South, Range 17 East, Salt Lake B. & M.

### Environmental Description

The project area is within the 5100 to 6100 foot elevation zone above sea level. Open rangeland terrain and eroded Eocene lakebed surfaces are associated with the project area.

The vegetation in the project area includes *Chrysothamnus* spp., *Artemisia* spp., *Sarcobatus vermiculatus*, *Ephedra viridis*, *Cercocarpus* spp., *Atriplex canescens*, and a variety of grasses.

The geological associations within the project area consist of fluvial lake deposits which correlate with the Uinta Formation which is of Tertiary age.

## PREVIOUS RESEARCH IN THE LOCALITY

### File Search

A records search of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City was conducted on May 6, 1996. A similar search was conducted in the Vernal District Office of the BLM on April 24, 1996. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A variety of known cultural sites are situated in the Monument Buttes / Castle Peak Draw locality. Many of these prehistoric resources were identified and recorded by AERC during the Mapco River Bend survey (Hauck and Norman 1980). Other sites have been located and recorded by AERC and other archaeologists and consultants during oil and gas exploration inventories (cf., Fike and Phillips 1984, Hauck and Weder 1989, Hauck and Hadden 1993, 1994, 1995).

### Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 -- 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. -- A.D. 300), and Formative (ca. A.D. 400 -- 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 -- 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trappers, explorers, and settlers. Basically, each cultural stage -- with the possible exception of the Late Prehistoric hunting and gathering Shoshonean bands -- features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53). For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

### Site Potential in the Project Development Zone

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places (NRHP). The majority of these sites are lithic scatters containing cobble reduction materials. Many of these quarry sites are of the "Tap and

Test" variety, and extend for tens or hundreds of meters. Open occupations are also frequently being identified in this locality. Sites associated with the open rangeland generally appear to have been occupied during the Middle Plains Archaic Stage with occasional indications of Paleoindian activity based on the recovery of isolated Plano style projectile points. The north-south drainage canyons appear to contain the majority of Late Prehistoric (Numa) sites probably because those canyon floors were transportation corridors and convenient pastures for the Ute horse herds. Evidence of Formative Stage occupation, i.e., Fremont, is rarely observed in the rangeland environment but is common within the Green River and White River canyons and their primary tributary canyons.

Site density in certain portions of the region appears to range from one to four sites per section. These densities increase in the canyon bottoms due to Ute rock art loci. Recent evaluations indicate that the site densities may reach 8 to 12 sites per section in certain localities on the upper benches which were apparently favored for hunting, lithic resource procurement, and camping. Prehistoric sites on the rangeland benches appear to be associated with water courses and aeolian deposits.

## **FIELD EVALUATIONS**

### **Methodology**

Intensive evaluations consisted of the archaeologists walking a series of 15 to 20 meter-wide transects within the ten acre parcel associated with each well pad zone and along a 100 foot-wide corridor centered on the flagged centerline for each of the associated access routes as shown on Maps 2 through 6. Thus, ca. 134.7 acres was inventoried relative to these proposed well locations of which 110 includes the ten acre parcels and ca. 24.7 acres includes the 2.07 miles of various access corridor.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific cultural site results in its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms.

In certain instances, the cultural sites are then evaluated for depth potential utilizing AERC's portable Ground Penetrating Radar (GPR) computerized system (SIR-2 manufactured by Geophysical Survey Systems, Inc. [GSSI] of North Salem, New Hampshire). GPR was not used during this project.

Cultural sites are then evaluated for significance utilizing the standards described below and mitigation recommendations are considered as a means of preserving significant resources which may be situated within the development zone.

## Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

*The quality of significance in American ... archaeology ... and culture is present in ... sites ... that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:*

- a. That are associated with events that have made a significant contribution to the broad patterns of our history; or*
- b. that are associated with the lives of persons significant in our past; or*
- c. that embody the distinctive characteristics of a type, period, or method of construction ... ; or*
- d. that have yielded, or may be likely to yield, information important in prehistory or history.*

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

## Results of the Inventory

No newly identified prehistoric cultural resource activity loci were observed and recorded during the archaeological evaluations of the proposed plant site and the three pipeline complexes.

No previously recorded cultural resource loci will be adversely effected by the proposed development of these 11 well locations.

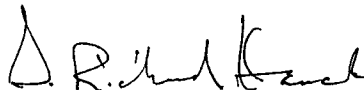
No diagnostic isolated artifacts were observed and recorded during the evaluations.

## CONCLUSION AND RECOMMENDATIONS

No known cultural resources will be adversely impacted during the development and operation of the various Monument Federal Units 42-6-9-16Y, 43-6-9-16Y, 11-22-9-16Y, 12-11-9-17Y, 41-18-9-16Y, 14-22-8-17, 24-17-9-16, 44-17-9-16, 22-20-9-16, 42-20-9-16, & 31-5-9-17.

AERC recommends that a cultural resource clearance be granted to Equitable Resources Energy Company relative to the development of these proposed wells and associated access routes based upon adherence to the following stipulations:

1. all vehicular traffic, personnel movement, construction and restoration operations should be confined to the well pad zones, flagged areas, and corridors examined as referenced in this report, and to the existing roadways;
2. all personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area; and
3. the authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



F. Richard Hauck, Ph.D.  
President and Principal  
Investigator

## REFERENCES

Fike, Richard E. and H. Blaine Phillips II

1984 *A Nineteenth Century Ute Burial from Northeast Utah*. Cultural Resource Series  
No. 16, Bureau of Land Management, Salt Lake City.

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- 1982 Cultural Resource Inventory of Five Proposed Well Locations and Access Roads in the Eightmile Flat and Castle Peak Localities of Uintah and Duchesne Counties, Utah. Report Prepared for Diamond Shamrock, DS-82-5, Archaeological-Environmental Research Corporation, Bountiful.
- 1984a "Excavation" (in) *A Nineteenth Century Ute Burial from Northeast Utah*. Cultural Resource Series No. 16, Bureau of Land Management, Salt Lake City.
- 1984b Cultural Resource Evaluations of Seven Proposed Well Locations Situated in the Castle Peak Draw Locality of Uintah County, Utah. Report Prepared for Overthrust Oil and Royalty Company, OORC-84-1, Archaeological-Environmental Research Corporation, Bountiful.
- 1991 Archaeological Evaluations on the Northern Colorado Plateau Cultural Area, AERC Paper No. 45, Archeological-Environmental Research Corporation, Bountiful.
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- 1992b Addendum to Cultural Resource Evaluations of Four Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-4, Archeological-Environmental Research Corporation, Bountiful.

- 1992c Cultural Resource Evaluations of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-5, Archeological-Environmental Research Corporation, Bountiful.
- 1992d Cultural Resource Evaluation of a Proposed Water Pipeline Corridor in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-6, Archeological-Environmental Research Corporation, Bountiful.
- 1992e Cultural Resource Evaluation of Seven Proposed Well Locations in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-92-8, Archeological-Environmental Research Corporation, cf., Bountiful.
- 1993a Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-1, Archeological-Environmental Research Corporation, Bountiful.
- 1993b Addendum to Cultural Resource Evaluation of Nine Proposed Well Locations in the Castle Peak Draw Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-2, Archeological-Environmental Research Corporation, Bountiful.
- 1993c Cultural Resource Evaluation of a Pipeline Corridor Situated in the Castle Peak Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-3, Archeological-Environmental Research Corporation, Bountiful.
- 1996a Cultural Resource Evaluation of Four Proposed Well Locations and Access Routes in the Castle Peak Draw Locality -- Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-95-8A, Archeological-Environmental Research Corporation, Bountiful.
- 1996b Cultural Resource Evaluation of 13 Proposed Well Locations and Access Routes in the Castle Peak Draw Locality of Uintah and Duchesne Counties, Utah. Report prepared for Balcron Oil Company, BLCR-95-8B, Archeological-Environmental Research Corporation, Bountiful.
- 1996c Cultural Resource Evaluation of Two Proposed Well Locations and Access Routes in the Wells Draw Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-96-1, Archeological-Environmental Research Corporation, Bountiful.



- 1996d Cultural Resource Evaluation of Three Proposed Pipeline Corridor Complexes in the Castle Peak Draw - Pariette Bench Locality of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-96-3, Archeological-Environmental Research Corporation, Bountiful.

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- 1993c Cultural Resource Evaluation of Eight Proposed Well Locations in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-93-9, Archaeological-Environmental Research Corporation, Bountiful.
- 1993d Cultural Resource Evaluation of Four Proposed Well Locations in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-10, Archaeological-Environmental Research Corporation, Bountiful.
- 1993e Cultural Resource Evaluation of Seven Proposed Wells in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-93-11, Archaeological-Environmental Research Corporation, Bountiful.
- 1994a Cultural Resource Evaluation of Eight Proposed Wells in the Pleasant Valley Locality of Uintah County, Utah. Report prepared for Balcron Oil Company, BLCR-94-3 Archaeological-Environmental Research Corporation, Bountiful.
- 1994b Cultural Resource Evaluation of Proposed Water Injection Line Lateral Segments in the Monument Buttes Locality of Duchesne County, Utah. Report prepared for Balcron Oil Company, BLCR-94-4, Archaeological-Environmental Research Corporation, Bountiful.

- 1994c Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Pariette Draw - Castle Peak Draw - Eight Mile Flat Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-94-9, Archaeological-Environmental Research Corporation, Bountiful.
- 1994d Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Castle Peak Draw and Eight Mile Flat Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-94-10, Archaeological-Environmental Research Corporation, Bountiful.
- 1994e Cultural Resource Evaluation of Two Proposed Balcron Monument State Well Locations and Access Routes in the Castle Peak Draw Locality of Uintah County, Utah. Report prepared for Balcron Oil Company, BLCR-94-10b, Archaeological-Environmental Research Corporation, Bountiful.
- 1994f Cultural Resource Evaluation of Proposed Well Locations and Access Routes in the Monument Buttes and Pleasant Valley Localities of Duchesne and Uintah Counties, Utah. Report prepared for Balcron Oil Company, BLCR-94-11, Archaeological-Environmental Research Corporation, Bountiful.
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Stokes, W.L.

- 1977 Physiographic Subdivisions of Utah. Map 43, Utah Geological and Mineral Survey, Salt Lake City.

U.S. Department of the Interior  
Bureau of Land Management  
Utah State Office  
(AERC FORMAT)

Project  
Authorization No. U.9.6.A.F.0.2.1.7.b.

Report Acceptable Yes \_\_\_ No \_\_\_

Mitigation Acceptable Yes \_\_\_ No \_\_\_  
Comments: \_\_\_\_\_

Summary Report of  
Inspection for Cultural Resources

WELL LOCATIONS IN THE WELLS DRAW,  
CASTLE PEAK DRAW, PLEASANT VALLEY, &  
PARIETTE BENCH LOCALITY IN DUCHESNE CO.  
1. Report Title . . . . .

Equitable Resources Energy Company

2. Development Company

0 5 10 1 9 9 6

UT-96-54937

3. Report Date . . . . .

A E R C

4. Antiquities Permit No. \_\_\_\_\_

BLCR - 96 - 2

Duchesne

5. Responsible Institution . . . . . County \_\_\_\_\_

6. Fieldwork

Location: TWN .0.8.S. . RNG .1.7.E. . Section.22

TWN .0.9.S. . RNG .1.6.E. . Section 06, 17, 18, 20, 22,

TWN .0.9.S. . RNG .1.7.E. . Section 05, 11

7. Resource Area .SM.

8. Description of Examination Procedures: The archeologist Glade Hadden and assistant James Merrell intensively examined the proposed well locations and associated access & access corridors by walking 10 to 15 meter-wide transects in the ten acre parcels and within the 100 foot-wide corridors on either side of the flagged center-line.

9. Linear Miles Surveyed

2.07

10. Inventory Type . . . . . I

and/or

Definable Acres Surveyed . . . . .

R = Reconnaissance

and/or

Legally Undefinable

I = Intensive

Acres Surveyed

1.347

S = Statistical Sample

11. Description of Findings:

No archaeological sites  
were identified and recorded during  
this survey.

12. Number Sites Found .0. . . . .  
(No sites = 0)

13. Collection: .N.

(Y = Yes, N = No)

14. Actual/Potential National Register Properties Affected:

The National Register of Historic Places (NRHP) has been consulted and no registered properties will be affected by the proposed development.

15. Literature Search, Location/ Date: Utah SHPO 5-6-96 Vernal BLM 4-24-96

16. Conclusion/ Recommendations:

AERC recommends that a cultural resource clearance be granted to Equitable Resources Energy Company for these proposed developments based on the following stipulations:  
(see reverse)

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas, well pads and corridors examined as referenced in this report, and to the existing roadways and/or evaluated access routes.

2. A l l p e r s o n n e l s h o u l d <sup>refrain</sup> ~~not~~ disturbing any significant cultural resources in the area.

3. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.

---

17. Signature of Administrator & Field Supervisor

Administrator:



Field  
Supervisor:

UT 8100-3 (2/85)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

CONFIDENTIAL

5. LEASE DESIGNATION AND SERIAL NO.  
U-43-6-9-16Y 11-74390

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER ☐

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Equitable Resources Energy Company

3. ADDRESS OF OPERATOR

1601 Lewis Avenue; Billings, MT 59102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

NE SE Section 6, T9S, R16E

2214' FSL, 707' FEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

From Myton, UT approximately 10 mi SW

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest Grig. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5,837' GL

22. APPROX. DATE WORK WILL START\*

June 1, 1996

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See attached	Drilling Program/Casing Design			

RECEIVED

APR 29 1996

Operator intends to drill this well in accordance with the attached EXHIBITS. A listing of EXHIBITS is also attached.

**SELF CERTIFICATION:** I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

ORIGINAL: Bureau of Land Management (Vernal, UT)

COPY; Utah Division of Oil, Gas and Mining (Salt Lake City, UT)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Bobbie Schuman TITLE Regulatory and Environmental Specialist DATE April 26<sup>th</sup>, 1996  
Bobbie Schuman

(This space for Federal or State office use)

PERMIT NO. 43-D13-31644 APPROVAL DATE \_\_\_\_\_

APPROVED BY [Signature] TITLE ASSISTANT DISTRICT DATE MAY 23 1996  
CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

NOTICE OF APPROVAL

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Monument Federal 43-6-9-16Y

API Number: 43-013-31644

Lease Number: U-74390

Location: NESE Sec. 6 T. 9S R. 16E

**NOTIFICATION REQUIREMENTS**

- |                                 |   |   |
|---------------------------------|---|---|
| Location Construction           | - | at least forty-eight (48) hours prior to construction of location and access roads.   |
| Location Completion             | - | prior to moving on the drilling rig.  |
| Spud Notice                     | - | at least twenty-four (24) hours prior to spudding the well.   |
| Casing String and Cementing     | - | at least twenty-four (24) hours prior to running casing and cementing all casing strings.   |
| BOP and Related Equipment Tests | - | at least twenty-four (24) hours prior to initiating pressure tests.   |
| First Production Notice         | - | within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

### A. DRILLING PROGRAM

#### 1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office **prior to running the next casing string or requesting plugging orders**. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

#### 2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a **2M** system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the Usable Water zone identified at  $\pm 752$  ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to  $\pm 552$  ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.



6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours **prior** to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b. 4).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted following initial installation and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid until midnight March 31, 1996. At this time lease U-020255 will expire.

In the event after-hours approval or notification is necessary, please contact one of the following individuals:

Wayne P. Bankert (801) 789-4170  
Petroleum Engineer

Ed Forsman (801) 789-7077  
Petroleum Engineer

Jerry Kenczka (801) 789-1190  
Petroleum Engineer

BLM FAX Machine (801) 781-4410

## EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

SURFACE USE PLAN OF OPERATIONS  
Conditions of Approval (COAs)

Other Additional Information:

a. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:

- whether the materials appear eligible for the National Register of Historic Places;
- the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
- a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate

If the operator wishes, at any time, to relocate activities to avoid expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

b. The operator will control noxious weeds along rights-of -way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered lands it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or hazardous chemicals.

c. All special stipulations attached to Lease Number UTU-74390 apply.

SPUDDING INFORMATION

Name of Company: EQUITABLE RESOURCES ENERGY

Well Name: MONUMENT FEDERAL 43-6-9-16Y

Api No. 43-013-31644

Section 6 Township 9S Range 16E County DUCHESNE

Drilling Contractor UNION

Rig #: 17

SPUDDED:

Date: 6/27/96

Time: 4:00 PM

How: ROTARY

Drilling will commence: \_\_\_\_\_

Reported by: D. INGRAM-DOGM

Telephone #: \_\_\_\_\_

Date: 6/28/96 Signed: FRM



**EQUITABLE RESOURCES  
ENERGY COMPANY**

**WESTERN REGION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860  
FAX: (406) 245-1385 ☐  
FAX: (406) 245-1361 ☐

August 6, 1996

Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078

Gentlemen:

RE: Monument Federal #43-6-9-16Y  
NE SE Section 6, T9S, R16E  
Duchesne County, Utah  
API #43-013-31644

This letter is notice that the subject well was spud on 6-27-96. This notice was sent previously, but never reached the State of Utah so is being resent to all.

Please feel free to contact me if you have any questions.

Sincerely,

Molly Conrad  
Operations Secretary

/mc

cc: \ Utah Division of Oil, Gas, & Mining: Also enclosed Form 6 Entity Action  
Form  
Mary Lou Dixon, Uintah Basin Health Dept. - VIA FAX

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING  
ENTITY ACTION FORM - FORM 6

OPERATOR Equitable Resources Energy Co.  
ADDRESS 1601 Lewis Avenue  
Billings, MT 59102  
(406) 259-7860

OPERATOR ACCT. NO. N 9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11959	43-013-31586	Monument Fed. #32-22-8-17	SW NE	22	8S	17E	Duchesne	5-20-96	5-20-96
WELL 1 COMMENTS: Spud of a new well. <i>Entity added 8-7-96. Lee</i>											
A	99999	11960	43-013-31644	Monument Fed. #43-6-9-16Y	NESE	6	9S	16E	Duchesne	6-27-96	6-27-96
WELL 2 COMMENTS: Spud of a new well. <i>Entity added 8-7-96. Lee</i>											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)  
A - Establish new entity for new well (single well only)  
B - Add new well to existing entity (group or unit well)  
C - Re-assign well from one existing entity to another existing entity  
D - Re-assign well from one existing entity to a new entity  
E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Molly Conrad  
Signature  
Operations Secretary  
Title  
8-6-96  
Date  
Phone No. ( )

P.3/3

AUG 16 '96 12:22PM BALCRON OIL DIV





**EQUITABLE RESOURCES**  
**ENERGY COMPANY**

**WESTERN REGION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860

FAX: (406) 245-1365 ☐

FAX: (406) 245-1361 ☒

August 8, 1996

Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078

Gentlemen:

RE: Monument Federal #43-6-9-16Y  
NE SE Section 6, T9S, R16E  
Duchesne County, Utah  
API# 43-013-3164 4

This letter will serve as notice that first production on the subject well was on 8-6-96. The attached sundry for 42-6-9-16Y was sent by accident, please disregard as that well is still in the completion phase.

Please feel free to contact me if you need any additional information.

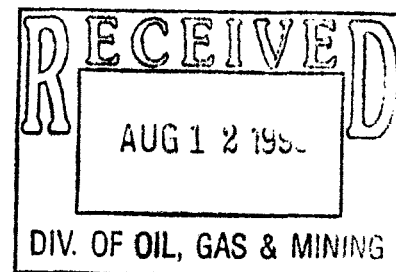
Sincerely,

*Molly Conrad*

Molly Conrad  
Operations Secretary

/mc

cc: State of Utah, Division of Oil, Gas, & Mining  
Isabel, MYCO Ind. - VIA FAX  
Yates Petroleum





**EQUITABLE RESOURCES  
ENERGY COMPANY**

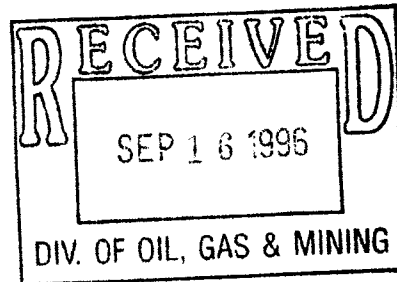
**WESTERN REGION**

1601 Lewis Avenue  
Billings, MT 59102

Office: (406) 259-7860  
FAX: (406) 245-1365 ☐  
FAX: (406) 245-1361 ☐

September 12, 1996

Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078



Gentlemen:

RE: Monument Federal #43-6-9-16Y  
NE SE Section 6, T9S, R16E  
Duchesne County, Utah  
API #43-013-31644

Enclosed are the following for your files on the subject well:

Completion Report  
Onshore Order #7  
Report of Water Encountered  
Daily Operating Reports

I will forward the Site Security Diagram in 30 days. Please call me if you require additional information.

Sincerely,

Molly Conrad  
Operations Secretary

/mc

Enclosures

cc: State of Utah, Division of Oil, Gas, and Mining  
Isabel - MYCO, Ind.  
Yates Petroleum Corp.  
Lou Ann Carlson  
Valeri Kaae  
Jan Harmon

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-74390
2. Name of Operator Equitable Resources Energy Company	6. If Indian, Allottee or Tribe Name n/a
3. Address and Telephone No. 1601 Lewis Avenue, Billings MT 59102 (406) 259-7860	7. If Unit or CA, Agreement Designation n/a
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NE SE Section 6, T9S, R16E 2214' FSL & 707' FEL	8. Well Name and No. Monument Fed. #43-6-9-16Y
	9. API Well No. 43-013-31644
	10. Field and Pool, or Exploratory Area Monument Butte/Green River
	11. County or Parish, State Duchesne County, Utah

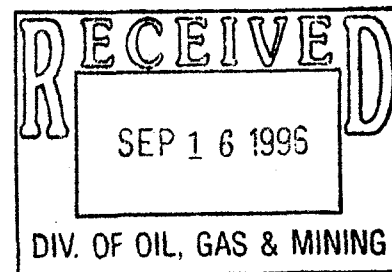
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Onshore Order #7</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Any water produced by this well will be held in a produced water tank and trucked to a commercial disposal facility. The primary facility to be used is the R.N. Industries produced water disposal facility located in Section 9, T2S, R2W in Duchesne County, Utah. A copy of the State-issued permit for that facility is on file at the Vernal Bureau of Land Management. If for some reason the operator is unable to use this primary disposal facility, the produced water will be trucked to another State-approved disposal facility. If applicable, Operator has received approved Right-of-Way access to this well location for the Vernal Bureau of Land Management.



14. I hereby certify that the foregoing is true and correct

Signed Molly Connors Title Operations Secretary Date 9-11-96

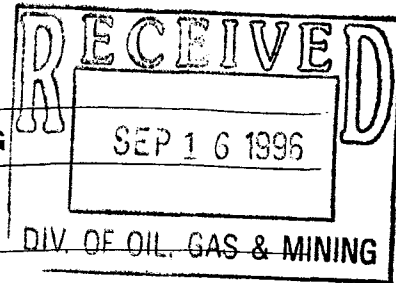
(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

## REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Monument Federal #43-6-9-16YAPI number: 43-013-316442. Well Location: QQ NE SE Section 6 Township 9S Range 16E County Duchesne3. Well operator: Equitable Resources Energy CompanyAddress: 1601 Lewis AvenueBillings, MT 59102Phone: (406) 259-78604. Drilling contractor: Union DrillingAddress: Drawer 40Buckhannon, WV 26201Phone: (304) 472-4610

5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
		No measurable water encountered during	
		drilling operations.	

6. Formation tops: Please see completion report.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 9-11-96Name & Signature: Molly ConradTitle: Operations Secretary

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
SEP 16 1996

RECEIVED

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐  
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other ☐  
DIV. OF OIL, GAS & MINING

2. NAME OF OPERATOR  
Equitable Resources Energy Company

3. ADDRESS OF OPERATOR  
1601 Lewis Avenue, Billings, MT 59102 (406) 259-7860

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface NE SE Section 6, T9S, R16E 2214' FSL & 707' FEL

At top prod. interval reported below

At total depth

14. PERMIT NO. 43-013-31644 DATE ISSUED 5-16-96

15. DATE SPUDDED 6-27-96 16. DATE T.D. REACHED 7-4-96 17. DATE COMPL. (Ready to prod.) 8-6-96 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5837' GL

20. TOTAL DEPTH, MD & TVD 5950' 21. PLUG, BACK T.D., MD & TVD 5862' KB 22. IF MULTIPLE COMPL., HOW MANY\* n/a 23. INTERVALS DRILLED BY SFC - TD

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
4291' - 5586' Green River

26. TYPE ELECTRIC AND OTHER LOGS RUN  
DLL LDL/CNL GR/CBL

28. CASING RECORD (Report all strings set in well)

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	263.5' KB	12-1/4"	160 sxs Class "G" w/additives	None
5-1/2"	15.5#	5907.59' KB	7-7/8"	380 sxs Super "G" w/additives	None
				390 sxs 50/50 POZ w/additives	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
n/a					2-7/8"	5648.89' KB	n/a

31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
5558' - 5586' (4 SPF)	5313' - 5318' (4 SPF)	5440' - 5448' (9 holes)	4586' - 4597' (4 SPF)	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5503' - 5508' (9 holes)	4291' - 4298' (5 holes)	5362' - 5369' (4 SPF)	4321' - 4325' (4 holes)	Please see attachment.	
5342' - 5360' (4 SPF)	4332' - 4339' (5 holes)				
	4394' - 4400' (4 holes)				

33.\* PRODUCTION  
DATE FIRST PRODUCTION 8-6-96 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 1-1/2" Insert Pump WELL STATUS (Producing or shut-in) Producing

DATE OF TEST 9-10-96 HOURS TESTED 24 CHOKE SIZE n/a PROD'N. FOR TEST PERIOD 55.6 OIL—BBL. N.M. GAS—MCF. 90 WATER—BBL. N.M. GAS-OIL RATIO

FLOW, TUBING PRESS. n/a CASING PRESSURE n/a CALCULATED 24-HOUR RATE 55.6 OIL—BBL. N.M. GAS—MCF. 90 WATER—BBL. OIL GRAVITY-API (CORR.) 34

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for fuel. TEST WITNESSED BY Dale Griffin

35. LIST OF ATTACHMENTS  
Section 32.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Mary Connors TITLE Operations Secretary DATE 9-11-96

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
			No DST's run./	Green River Horsebench SS 2nd Garden Gulch Yellow Marker Douglas Creek 2nd Douglas Creek Green Marker Black Shale Facies Carbonate Marker	1637' 2327' 4141' 4665' 4812' 5045' 5171' n/a 5728'	1637' 2327' 4141' 4665' 4812' 5045' 5171'  5728'

Attachment to Completion Report  
Monument Federal #43-6-9-16Y  
NE SE Section 6, T9S, R16E  
Duchesne County, Utah

<u>Depth Interval</u>	<u>Amount and Kind of Material Used</u>
5558' - 5586'	Break down with 5,080 gallons 2% KCL water. Fracture with 40,370# 20/40 mesh sand and 87,030# 16/30 mesh sand with 35,028 gallons 2% KCL gelled water.
5503' - 5508'	Break down with 1,764 gallons 2% KCL water.
5440' - 5448'	Break down with 2,058 gallons 2% KCL water.
5503' - 5448'	Break down with 3,066 gallons 2% KCL water and 1000 gallons 15% HCL acid. Fracture with 16,790# 20/40 mesh sand and 41,110# 16/30 mesh sand with 21,000 gallons 2% KCL gelled water.
4586' - 4597'	Break down with 3,486 gallons 2% KCL water. Fracture with 49,500# 16/30 mesh sand with 15,708 gallons 2% KCL gelled water.
4291' - 4339'	Break down with 1,848 gallons 2% KCL water.
4394' - 4400	Break down with 1,974 gallons 2% KCL water.
4291' - 4400'	Fracture with 109,700# 16/30 mesh sand with 36,666 gallons 2% KCL gelled water.

/mc  
9-11-96

## DAILY OPERATING REPORT

### MONUMENT FEDERAL #43-6-9-16Y

Location: NE SE SECTION 6, T9S, R16E

Duchesne County, Utah

---TIGHT HOLE---

2214' FNL, 707" FEL

PTD: 5950' Formation: Green River

API#: 43-013-31644 (5-16-96)

Monument Butte Field

Elevations: 5937' GL

Contractor: Union Drilling

Operator: EREC Western Region

Spud: 6-27-96

Casing: 8-5/8", J-55, 24# @ 263.5' KB

5-1/2", J-55, 15.5# @ 5907.59' KB

Tubing: 2-7/8", 6.5, J-55 @ 5648.89' KB

06/28/96 TD: 282' (282') Day 1

Formation: Sand & Shale

Present Operation: Wait on cement

MIRU. Drill 282' of 12-1/4" hole, ran 252' of 8-5/8" , 24#, J-55 csg and cemented as follows:

Shoe	.90'
Shoe joint	42.10'
Baffle plate	0.00'
5 jts csg	210.50'
Total csg length	253.50'
Landing joint	10.00'
Depth landed	263.50' KB

Cement w/160 sxs "G" + 2% CaCl + 1/4#/sx cello flake. Plug down @ 1:30 AM. 5 bbls returned to pit.

DC: \$5,076

CC: \$5,076

06/29/96 TD: 1331' (1049') Day 2

Formation: Sand & Shale

Present Operation: Drilling 7-7/8" hole

NU, drilled plug & shoe, pressure test BOP stack, drilled 1049' of 7-7/8" hole.

DC: \$18,882

CC: \$23,958

06/30/96 TD: 2626' (1295') Day 3

Formation: Sand & Shale

Present Operation: Drilling 7-7/8" hole

Drilled 1295' of 7-7/8" hole w/air & ran two surveys.

DC: \$23,310

CC: \$47,268

07/01/96 TD: 3654' (1028') Day 4

Formation: Sand & Shale

Present Operation: Drilling 7-7/8" hole

Drilled 1028' of 7-7/8" hole w/air foam & ran two surveys.

DC: \$18,504

CC: \$65,772



**DAILY OPERATING REPORT**

**MONUMENT FEDERAL #43-6-9-16Y**

**Location: NE SE SECTION 6, T9S, R16E**

**Duchesne County, Utah**

**---TIGHT HOLE---**

- 07/02/96 TD: 4370' (716') Day 5**  
Formation: Sand & Shale  
Present Operation: Drilling 7-7/8" hole  
Made a bit trip, picked up motor and drilled 716' of 7-7/8" hole w/fluid.  
DC: \$12,888 CC: \$78,660
- 07/03/96 TD: 5212' (842') Day 6**  
Formation: Sand & Shale  
Present Operation: Drilling 7-7/8" hole  
Drilled 842' of 7-7/8" hole w/fluid.  
DC: \$15,156 CC: \$93,816
- 07/04/96 TD: 5950' (738') Day 7**  
Formation: Sand & Shale  
Present Operation: Circulate hole @ TD  
TD 7-7/8" hole @ 5950' @ 4:00 AM mountain time, circulate hole to condition & lay down drill pipe.  
DC: \$13,284 CC: \$107,100
- 07/05/96 TD: 5950' (0') Day 8**  
Formation: Sand & Shale  
Present Operation: Rig Down  
Circulate hole, lay down drill pipe & drill collar. Log, run 5853' of 5-1/2" 15.5# J-55 csg as follows:
- |                  |             |
|------------------|-------------|
| Shoe             | .90'        |
| Shoe Joint       | 42.30'      |
| Float collar     | 1.10'       |
| 137 jts csg      | 5853.29'    |
| Landing Jt       | 10.00'      |
| Total csg length | 5897.59'    |
| Depth landed     | 5907.59' KB |
| PBTD             | 5863.29' KB |
- Cement csg as follows: Lead - 380 axs super "G" + 3% salt + 2% gel + 2#/sx Kolseal + 1/4#/sx cello flake. Tail - 390 axs 50/50 poz + 2% gel + 1/4#/sx cello flake + 2#/sx Kolseal. Plug down @ 7:30 PM, release rig @ 11:30 PM.
- 07/11/96 Completion**  
Dress up location, set rig anchors, set rig pump & tanks. MIRU Cannon Well Service Rig #2. NU 5M well head, NU BOP. SWIFD.

## DAILY OPERATING REPORT

MONUMENT FEDERAL #43-6-9-16Y

Location: NE SE SECTION 6, T9S, R16E

Duchesne County, Utah

---TIGHT HOLE---

**07/12/96 Completion**

TIH w/4-3/4" bit, 5-1/2" csg scrapper & 198 jts 2-7/8" tbg. Tag PBTD @ 5862' KB. Pressure test cst to 1000 psi, OK. TOOH w/tbg, scrapper. RU Cutter Wire Line to run CBL & perf. Run CBL from 5841' KB to surface w/1000 psi. TOC @ 275' KB. Perforate 5558' - 5586', 4 SPF. RD Cutter Wire Line. TIH w/TE RBP, retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-3/8" x 2-7/8" cross over, 2-7/8" SN & 180 jts 2-7/8" tbg. Set BP @ 5623' KB. EOT @ 5497' KB, pkr @ 5489' KB. SWI until 7/15/96.

DC: \$10,041

CC: \$117,141

**07/15/96 Completion**

RU BJ Services & break dow 5558' - 5586' as follows: used 5080 gals 2% KCL wtr and 336 ball sealers, saw ball action, no ball off. ATP = 400 psi, ATR = 3.3 bpm, ISIP = 2200 psi. Used 140 bbls wtr. TOOH w/tbg, pkr, & retrieving tool. Flow back 20 bbls wtr. Frac 5558' - 5586' as follows: used 35,028 gals 2% KCL wtr w/40,370 lbs 20/40 sand & 87,030 lbs 16/30 sand. ATP = 3250 psi, ATR = 38 bpm, ISIP = 3550 psi, 5 min = 2300 psi, 10 min = 2040 psi, 15 min = 1910 psi, 30 min = 1670 psi. Used 834 bbls wtr. Start forced closure flow back, 1.0 bpm. Flowed back 370 bbls wtr, trace of sand. Release pkr. TIH w/retrieving tool, pkr & tbg. Tag sand @ 5480' KB> Circulate down to BP @ 5623' KB. Set pkr @ 5489' KB. SWIFD.

DC: \$40,666

CC: \$157,807

**07/16/96 Completion**

Fluid level surface, trace oil 1<sup>st</sup> run. Made 39 swab runs. Recovered 12 bbls oil & 176 bbls wtr. Last 2 runs 20% oil. Fluid level 2500' last 3 runs. No sand last 9 runs. Good gas last 20 runs. Release pkr. Tag sand @ 5594' KB. Circulate down to BP @ 5623' KB. Release BP. Reset BP @ 5562' KB. TOOH w/tbg, pkr & retrieving tool. SWIFD.

DC: \$3,745

CC: \$161,552

**07/17/96 Completion**

RU Cutters Wire Line & perf 5440' - 5448', 9 holes & 5503' - 5508', 9 holes. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr, SN & 178 jts tbg. Reset BP @ 5480' KB, pkr @ 5397' KB. RU BJ Services & break down 5440' - 5448' with 2058 gals 2% KCL wtr and 18 ball sealers, saw ball action, no ball off. ATP = 4100 psi, ATR = 2.8 BPM, ISIP = 2100 psi. Used 49 bbls wtr. Reset BP @ 5562' KB, pkr @ 5458' KB. Break down perfs 5503' - 5508' with 1764 gals 2% KCL wtr and 18 ball sealers, saw ball action, no ball off. ATP = 4200 psi, ATR = 3.0 bpm, ISIP = 2600 psi. Used 42 bbls wtr. Reset pkr above all perfs. SWIFD.

DC: \$2,938

CC: \$164,490

## DAILY OPERATING REPORT

**MONUMENT FEDERAL #43-6-9-16Y**

**Location: NE SE SECTION 6, T9S, R16E**

**Duchesne County, Utah**

**---TIGHT HOLE---**

**07/18/96 Completion**

RU BJ Services & acidize 5503' - 5508'. Spot acid on perms. Pump 500 gals 15% NCL. Communicate between 5440' & 5508'. Reset pkr @ 5397' KB. Check tools. Pump 500 gals acid on 5440' - 5503'. Used 73 bbls wtr & 24 bbls acid. ATP = 2900 psi, ATR = 2.9 bpm, ISIP = 1800 psi. TOOH w/tbg, pkr & retrieving tool. Frac 5440' - 5448', 5503' - 5508' w/21,000 gals 2% KCL wtr, 16,790 lbs 20/40 sand & 41,110 lbs 16/30 sand. ATP = 3250 psi, ATR = 30.5 bpm, ISIP = 2430 psi, 5 min = 1820 psi, 10 min = 1690 psi, 15 min = 1630 psi. Used 500 bbls wtr. Set Wire Line HE BP @ 5420' KB. Perforate 5362' - 5369', 4 SPF. Pressure behind csg blew gun up hole. Check Wire Line BP, OK. Perforate 5342' - 5360', 5313' - 5318', 4 SPF. RD BJ Services. RD Cutter Wire Line. Flow well back, 1 bbl per min. Flow back 255 bbls wtr, trace oil, no sand. SWIFD.

DC: \$35,774

CC: \$200,264

**07/19/96 Completion**

TIH w/RBP, retrieving tool, HD pkr, SN & 170 jts tbg. Set BP @ 5328' KB, pkr @ 5246' KB. Made 6 swab runs on 5313' - 5318'. Recovered 31 bbls wtr, trace oil, gas cut, trace sand. Release pkr, release BP, TOOH w/tbg, pkr & BP. TIH w/retrieving tool & 173 jts tbg. Tag sand @ 5388' KB. Circulate down to HE BP @ 5420' KB. Release wire line BP. TOOH w/tbg & BP. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr, SN & 175 jts tbg. Tag sand @ 5430' KB. Circulate down to BP @ 5547' KB. Set pkr @ 5245' KB. Made 16 swab runs, recovered 81 bbls wtr, trace oil, trace sand, gas cut. Final fluid level @ 1800'. SWIFN.

DC: \$4,725

CC: \$204,989

**07/22/96 Completion**

RU Cutter Wire Line & perf 4586' - 4597', 4 SPF. RD Cutter Wire Line. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-3/8" x 2-7/8" cross over, 2-7/8" SN & 144 jts tbg. Set pkr @ 4506' KB. EOT 4513' KB. RU BJ Services & break down 4586' - 4597' w/3486 gals 2% KCL wtr and 88 ball sealers pumped, saw ball action, no ball off. ATP = 2300 psi, ATR = 4.9 bpm, ISIP = 1620 psi. Used 83 bbls wtr. Flow back 10 bbls wtr. TOOH w/tbg, pkr & retrieving tool. SWIFD.

DC: \$2,443

CC: \$207,432

## DAILY OPERATING REPORT

**MONUMENT FEDERAL #43-6-9-16Y**

**Location: NE SE SECTION 6, T9S, R16E**

**Duchesne County, Utah**

**---TIGHT HOLE---**

**07/23/96 Completion**

RU BJ Services to frac 4586' - 4597'. Frac w/15,708 gals 2% KCL wtr and 49,500 lbs 16/30 sand. ATP = 2500 psi, ATR = 20.2, ISIP = 2950, 5 min = 2270 psi, 10 min = 2020 psi, 15 min = 1930 psi. Used 374 bbls wtr. RU Cutter Wire Line & set HE BP @ 4460' KB. Perf 4291' - 4298', 5 holes; 4321' - 4325', 4 holes; 4332' - 4339', 5 holes; 4394' - 4400', 4 holes. RD Cutter Wire Line. TIH w/retrievable BP, 2-3/8" x 4' sub, HD pkr, 2-7/8" SN & 142 jts tbg. Set BP @ 4435', EOT @ 4358', pkr @ 4351'. Break down 4394' - 4400' w/1974 gals 2% KCL wtr and pumped 8 ball sealers, saw ball action, no ball off. ATP = 2100 psi, ATR = 4.5 bpm, ISIP = 940 psi. Used 47 bbls wtr. Reset BP @ 4361', EOT @ 4264', pkr @ 4257'. Break down 4291' - 4339' w/1848 gals 2% KCL wtr and pumped 28 ball sealers, saw ball action, ball off. ATP = 3400 psi, ATR = 4.1 bpm, ISIP = 1020 psi. Used 44 bbls wtr. Release pkr & BP. TOOH w/tbg, pkr & BP. Frac 4291' - 4298', 4321' - 4325', 4332' - 4339', 4394' - 4400'. Frac w/36,666 gals 2% KCL wtr and 109,700 lbs 16/30 sand. ATP = 2350 psi, ATR = 29.9 bpm, ISIP = 2000 psi, 5 min = 1690 psi, 10 min = 1610 psi, 15 min = 1580 psi, 30 min = 1480 psi. Start frac. Pressure up to 5200 psi after 65 bbls pumped. Shut down. Surge perfs. Wait 30 min, injection test 25.6 bpm, 2540 psi. ISIP = 1400. Restart frac. End frac. Start forced closure flow back - 1.3 bpm. Flow back 150 bbls wtr, trace sand. SWIFD.

DC: \$54,984

CC: \$262,416

**07/24/96 Completion**

Bleed well down. Flow back 80 bbls wtr. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-7/8" SN & 135 jts tbg. Tag sand @ 4203' KB. Circ down to BP @ 4460' KB. Release BP. TOOH w/tbg, pkr & HE BP. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-7/8" SN & 146 jts 2-7/8" tbg. Tag sand @ 4575' KB. Circ down to BP @ 4639' KB. Set pkr @ 4257' KB. Made 23 swab runs. Recovered 4 bbls oil & 111 bbls wtr. Trace sand & good gas. Oil 7% last 3 runs. Fluid level 1600' last 2 runs. SWIFN.

DC: \$2,075

CC: \$264,491

## DAILY OPERATING REPORT

**MONUMENT FEDERAL #43-6-9-16Y**

**Location: NE SE SECTION 6, T9S, R16E**

**Duchesne County, Utah**

**---TIGHT HOLE---**

**07/25/96 Completion**

Fluid level @ surface. Flow back 10 bbls oil, 5 bbls wtr. Release pkr. Tag sand @ 4628' KB. Circulate down to BP @ 4639' KB. TOOH w/tbg, pkr & BP. TIH w/production string (tbg) as follows:

	<u>LENGTH</u>	<u>DEPTH KB</u>
1 - Notched-pinned collar 2-7/8"	.40'	5648.89'
1 - jt 2-7/8", EUE, J-55, 8rd, 6.5#	30.90'	5648.49'
1 - perf sub 2-7/8" x 4'	4.20'	5617.59'
1 - SN 2-7/8"	1.10'	5613.39'
44 - jts 2-7/8", EUE, J-55, 8rd, 6.5#	1355.64'	5612.29'
1 - tbg anchor 2-7/8" x 5-1/2" (TRICO)	2.75'	4256.65'
136 - jts 2-7/8", EUE, J-55, 8rd, 6.5#	4243.90'	4253.90'
KB	10.00'	

ND BOP, ND 5M well head, NU 3M well head. Set tbg anchor w/11" tension. Flange up well head. TIH w/production string (rods) as follows:

- 1 - DHP, 2-1/2" x 1-1/2" x 16' RHAC w/SM plunger (TRICO #1180)
- 1 - 7/8" x 2' Pony w/2-1/2" guides
- 1 - K-bar 1-1/2" x 25'
- 1 - 7/8" x 2' Pony w/2-1/2" guides
- 223 - 3/4" x 25' D-61 Plain
- 3 - 3/4" x 4' Pony
- 1 - 1-1/4" X 22' Polish Rod SM

Pressure test DHP & tbg to 1000 psi, OK. Shut Well In.

DC: \$24,886

CC:

\$289,377

**08/06/96 Start well pumping. 4.0 SPM. 97" stroke.**

**STATE OF UTAH**  
**DIVISION OF OIL, GAS AND MINING**

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

Page 11 of 14

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR'S NAME AND ADDRESS:

C/O CRAZY MTN O&G SVS'S  
 EQUITABLE RESOURCES ENERGY  
 PO BOX 577  
 LAUREL MT 59044

UTAH ACCOUNT NUMBER: N9890

REPORT PERIOD (MONTH/YEAR): 9 / 97

AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
MONUMENT FEDERAL 41-18-9-16Y								
4301331646	11941	09S 16E 18	GRRV			U74390		
MONUMENT FEDERAL 13-22-8-17Y								
4301331583	11942	08S 17E 22	GRRV			U67845		
MONUMENT FEDERAL 42-6-9-16Y								
4301331645	11947	09S 16E 6	GRRV			U74390		
MONUMENT FEDERAL 32-22-8-17								
4301331586	11959	08S 17E 22	GRRV			U67845		
MONUMENT FEDERAL 43-6-9-16Y								
4301331644	11960	09S 16E 6	GRRV			U74390		
MONUMENT FEDERAL 22-20-9-16								
4301331681	11961	09S 16E 20	GRRV			U52018		
CRON MONUMENT FEDERAL 14-4								
4301331666	11965	09S 16E 4	GRRV			U034217A		
MONUMENT FEDERAL 11-22-9-16Y								
4301331647	11986	09S 16E 22	GRRV			U64379		
MONUMENT FEDERAL 31-5-9-17								
4301331680	11987	09S 17E 5	GRRV			U74808		
MONUMENT FEDERAL 24-17-9-16								
4301331682	11994	09S 16E 17	GRRV			U52018		
MONUMENT STATE 11-2-9-17CD								
4301331685	11995	09S 17E 2	GRRV			ML45555		
MONUMENT STATE 32-2								
4304732737	12000	09S 17E 2	GRRV			"		
MONUMENT FEDERAL 23-7-9-16Y								
4301331694	12019	09S 16E 7	GRRV			UTA74390		
<b>TOTALS</b>								

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

RECEIVED

OCT 10 1997



October 7, 1997

Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078

RE: Change of Operator  
Duchesne & Vernal Counties, Utah


Dear Mr. Forsman:

Please find attached Sundry Notices and Reports on Wells for Change of Operator, previously operated by Equitable Resources Energy Company for approval.

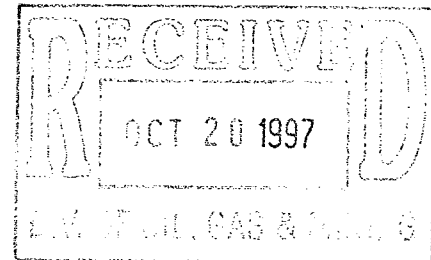
If you should have questions regarding this matter, please do not hesitate to contact me at the number listed below.

Sincerely,

INLAND PRODUCTION COMPANY

  
Patsy Barreau

/pb  
encls.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Inland Production Company

3. Address and Telephone No.

475 - 17th Street, Suite 1500, Denver, CO 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

See Attached Exhibit

5. Lease Designation and Serial No.

See Attached

6. If Indian, Allottee or Tribe Name

See Attached

7. If Unit or CA, Agreement Designation

See Attached

8. Well Name and No.

See Attached

9. API Well No.

See Attached

10. Field and Pool, or Exploratory Area

See Attached

11. County or Parish, State

See Attached

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Change of Operator  
☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was:

Equitable Resources Energy Company  
1601 Lewis Avenue  
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under BLM Bond No. UT0056 issued by The Hartford Insurance Group.

14. I hereby certify that the foregoing is true and correct

Signed

*Chris A. Potter*

Title

CHRIS A. POTTER, ATTORNEY-IN-FACT

Date

9/30/97

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side



## INLAND

Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
✓ WALTON FEDERAL #1	SESE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15792-00	UTU096550	UTU72086A
✓ WALTON FEDERAL #2	NWNE 149S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15793-00	UTU096550	UTU72086A
WALTON FEDERAL #34-11	SWSE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31003-00	UTU096550	UTU72086A
✓ WALTON FEDERAL #4	SENE 119S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15795-00	UTU096550	UTU72086A
✓ ALLEN FEDERAL #31-6G	NWNE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-31442-00	UTU020252A	
✓ BALCRON FEDERAL #21-13Y	NENW 139S 16E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-31400-00	UTU64805	
✓ BALCRON FEDERAL #21-25Y	NENW 259S 16E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-31394-00	UTU64380	
✓ BALCRON FEDERAL #44-14Y	SESE 149S 17E	UINTAH	UT	MONUMENT BUTTE (U)	43-047-32438-00	UTU64806	
✓ CASTLE PEAK FEDERAL #24-10A	SESW 169S 16E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-30555-00	UTU72107	
✓ CASTLE PEAK STATE #43-16	NESE 169S 16E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-30594-00		891008243C
✓ K. JORGENSEN STATE #16-4	NESE 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-30572-00	ML-3453-B	
✓ STATE #16-2	NENE 169S 17E	DUCHESNE	UT	MONUMENT BUTTE (U)	43-013-30552-00	ML-3453-B	
✓ BALCRON FEDERAL #21-9Y	NENW 9 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31396-00	UTU65207	
✓ BALCRON FEDERAL #41-21Y	NENE 219S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31392-00	UTU64379	
✓ MONUMENT FEDERAL #31-6-9-16	NWNE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31717-00	UTU74390	
✓ MONUMENT FEDERAL #32-6-9-16Y	SW NE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31300-00	UTU74390	
✓ MONUMENT FEDERAL #42-6-9-16Y	SE NW 6 9S 15E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31645-00	UTU74390	
✓ MONUMENT FEDERAL #41-6-9-16	NENE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31718-00	UTU74390	
✓ MONUMENT FEDERAL #31-8-9-16	NW NE 8 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31721-00	UTU020255	
✓ MONUMENT FEDERAL #41-8-9-16	NENE 8 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31619-00	UTU020255	
✓ MONUMENT FEDERAL #11-9-9-16	NW NW 9 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31618-00	UTU020254	
✓ MONUMENT FEDERAL #33-6-9-16Y	NW SE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31589-00	UTU74390	
✓ MONUMENT FEDERAL #43-6-9-16Y	NE SE 6 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31644-00	UTU74390	
✓ MONUMENT FEDERAL #44-6-9-16Y	SE SE 6 9S 15E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31720-00	UTU74390	
✓ MONUMENT FEDERAL #31-18-9-16	NW NE 189S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31725-00	UTU74390	
✓ MONUMENT FEDERAL #41-18Y	NE NE 189S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31646-00	UTU74390	
✓ MONUMENT FEDERAL #42-18Y	SE NE 189S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31724-00	UTU74390	
✓ MONUMENT FEDERAL #31-21-9-16	NW NE 219S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31726-00	UTU64379	
✓ MONUMENT FEDERAL #11-22Y	NW NW 229S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31647-00	UTU64379	
✓ MONUMENT FEDERAL #13-4-9-16	NW SW 4 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31716-00	UTU73086	
✓ MONUMENT FEDERAL #14-4	SWSW 4 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31666-00	UTU73086	
✓ MONUMENT FEDERAL #22-20-9-16	SE NW 209S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31681-00	UTU52018	
✓ MONUMENT FEDERAL #23-7-9-16	NESW 7 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31694-00	UTU74390	
✓ MONUMENT FEDERAL #24-17-9-16	SESW 179S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31682-00	UTU52018	
✓ MONUMENT BUTTE #34-31-8-16	SW SE 318S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31715-00	UTU74389	
✓ MONUMENT FEDERAL #33-10-9-16	NW SE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31722-00	UTU72107	
✓ MONUMENT BUTTE #43-10-9-16	NE SE 109S 16E	DUCHESNE	UT	MONUMENT BUTTE (W)	43-013-31723-00	UTU72107	
✓ CHORNEY FEDERAL #1-9	SWSE 9 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-30070-00	UTU5843	
✓ HENDEL FEDERAL #1	SWSW 9 9S 19E	UINTA	UT	PARIETTE BENCH	43-047-20011-00	UTU058149	



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal District Office  
170 South 500 East  
Vernal, Utah 84078-2799

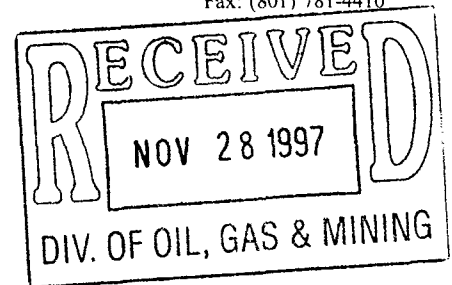
Phone: (801) 781-4400

Fax: (801) 781-4410

IN REPLY REFER TO:

3162.3  
UT08438

November 10, 1997



Inland Production Company  
475 17th Street, Suite 1500  
Denver, CO 80202

Re: <sup>43-013-31644</sup> Well No. Mon. Fed. 43-6-9-16Y  
NESE, Sec. 6, T9S, R16E  
Lease U-74390  
Duchesne County, Utah

Dear Sir:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Inland Production Company is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UT0056, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Pat Sutton of this office at (435) 781-4400.

Sincerely,

Howard B. Cleavinger II  
Assistant Field Manager,  
Minerals Resources

cc: Division of Oil, Gas & Mining  
Equitable Resources Energy Company  
ABO Petro Corp  
Myco Industries Inc  
Yates Drilling Co.  
Yates Petro Corp



# EQUITABLE RESOURCES ENERGY COMPANY

## WESTERN REGION

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

Lisha  
State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

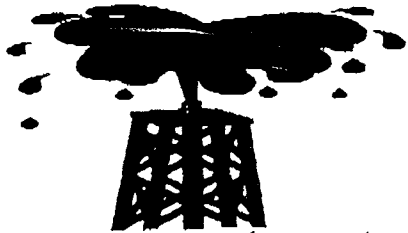
Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad  
Agent for Equitable Resources  
Energy Company

/mc



Crazy Mountain Oil & Gas Services  
P.O. Box 577  
Laurel, MT 59044  
(406) 628-4164  
(406) 628-4165

TO: *Lisha*  
*St of Utah.*

FROM. Molly Conrad  
Crazy Mountain Oil & Gas Services  
(406) 628-4164

Pages Attached - Including Cover Sheet *2.*

NOTE: *Here is the letter you requested.*  
*Call if you need anything*  
*further.*

## OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

1-DEC	6-DEC
2-GLH	7-KAS
3-DTS	8-SI
4-VLD	9-FILE
5-JRB	

☒ Change of Operator (well sold)☐ Designation of Agent☐ Designation of Operator☐ Operator Name Change OnlyThe operator of the well(s) listed below has changed, effective: 9-30-97

TO: (new operator)	<u>INLAND PRODUCTION COMPANY</u>	FROM: (old operator)	<u>EQUITABLE RESOURCES COMPANY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>PO BOX 577</u>
	<u>ROOSEVELT UT 84066</u>		<u>LAUREL MT 59044</u>
			<u>C/O CRAZY MTN O&amp;G</u>
Phone:	<u>(801) 722-5103</u>	Phone:	<u>(406) 628-4164</u>
Account no.	<u>N5160</u>	Account no.	<u>N9890</u>

WELL(S) attach additional page if needed:

Name: <b>**SEE ATTACHED**</b>	API: <u>43-013-31644</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

## OPERATOR CHANGE DOCUMENTATION

- lec 1. (r649-8-10) Sundry or other legal documentation has been received from the FORMER operator (attach to this form). *(Rec'd 12-10-97)*
- lec 2. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). *(Rec'd 10-20-97)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: \_\_\_\_\_
- lec 4. FOR INDIAN AND FEDERAL WELLS ONLY. The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
- lec 5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. *(12-2-97)*
- lec 6. Cardex file has been updated for each well listed above. *(12-3-97)*
- lec 7. Well file labels have been updated for each well listed above. *(12-3-97)*
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(12-3-97)*
- lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

### ENTITY REVIEW

- Jec 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

### BOND VERIFICATION - (FEE WELLS ONLY)

- N/A Jec 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operator's bond files.
3. The FORMER operator has requested a release of liability from their bond (yes/no)    , as of today's date    . If yes, division response was made to this request by letter dated    .

### LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A DTJ 1. Copies of documents have been sent on     to     at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A 12/5/87 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated     19    , of their responsibility to notify all interest owners of this change.

### FILMING

- ✓ 1. All attachments to this form have been microfilmed. Today's date: 1.7.98.

### FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form, and the original attachments are now being filed in the Operator Change file.

### COMMENTS

971202 Blm/Vernal Aprv. Nov. 10, 13 & 20, 1997.

*Microfilmed  
to this point*

## WEST POINT UNIT WELL LISTING

AS OF 7/13/98

T. 8 &amp; 9S, R. 16E

SEC.	FIELD	WELL NAME	STATUS	API NUMBER	
6	WEST POINT UNIT	MON FED #31-6Y	PROD	4301331717	12060
6	WEST POINT UNIT	FED 32-08-09-16Y	PROD	4301331390	11211
6	WEST POINT UNIT	MON FED #42-6Y	PROD	4301331625	11947
* 6	WEST POINT UNIT	MON FED #43-6Y 95 162.6	PROD	4301331644	11960
6	WEST POINT UNIT	MON FED #33-6Y	PROD	4301331559	11933
6	WEST POINT UNIT	FED 44-06-09-16Y	PROD	4301331720	12066
7	WEST POINT UNIT	MON FED #23-7Y	PROD	4301331694	12019
18	WEST POINT UNIT	MON FED #41-18Y	PROD	4301331640	11941
18	WEST POINT UNIT	FED 31-18-9-16Y	PROD	4301331725	12104
18	WEST POINT UNIT	FED 42-18-09-16Y	PROD	4301331724	12124
31	WEST POINT UNIT	MON FED 34-31-8-16	PROD	4301331715	12067
6	WEST POINT UNIT	MON FED 41-6-9-16Y	PROD	4301331718	12043
6	WEST POINT UNIT	NINE MILE 3-6	PROD	4301331810	12264
6	WEST POINT UNIT	NINE MILE 11-6	PROD	4301331812	12266
6	WEST POINT UNIT	NINE MILE FEDERAL 15-6-9-16	PROD	4301332010	12327
7	WEST POINT UNIT	NINE MILE 6-7	PROD	4301331776	12290
7	WEST POINT UNIT	NINE MILE 10-7	PROD	4301331773	12286
7	WEST POINT UNIT	NINE MILE FEDERAL 12-7-9-16	PROD	4301332014	12328
6	WEST POINT UNIT	NINE MILE 4-6	PROD	4301331952	12282
6	WEST POINT UNIT	NINE MILE 5-6	PROD	4301331953	12288
6	WEST POINT UNIT	NINE MILE 13-6	PROD	4301331954	12284
6	WEST POINT UNIT	NINE MILE 6-6	PROD	4301331719	12289
7	WEST POINT UNIT	NINE MILE 5-7	PROD	4301331777	12291
7	WEST POINT UNIT	NINE MILE 7-7	PROD	4301331778	12292
7	WEST POINT UNIT	NINE MILE 15-7	PROD	4301331803	12287
7	WEST POINT UNIT	NINE MILE 2-7	PROD	4301332011	12316
7	WEST POINT UNIT	NINE MILE 3-7	PROD	4301332012	12313
7	WEST POINT UNIT	NINE MILE 4-7	PROD	4301332013	12325
	WEST POINT UNIT	NINE MILE 14-6	P & A	4301331999	

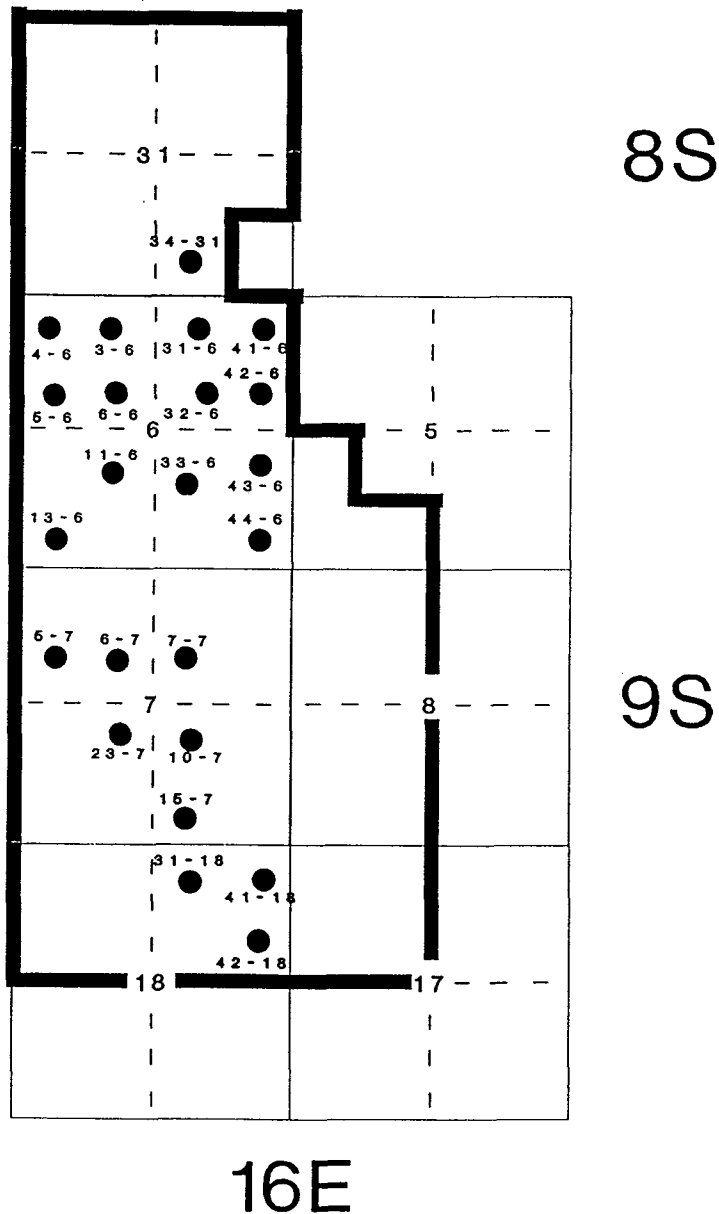
WEST POINT (GR) UNIT ENTITY 12418 EFF 6-1-98.



# WEST POINT (GREEN RIVER) UNIT

## Duchesne County, Utah

EFFECTIVE: JUNE 1, 1998



UNIT OUTLINE (UTU77107X)

2,738.19 ACRES

SECONDARY  
ALLOCATION

FEDERAL 100%

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

**UTU-74390**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

**WEST POINT (GR RVR)**

8. Well Name and No.

**MONUMENT FEDERAL 43-6-9-16Y**

9. API Well No.

**43-013-31644**

10. Field and Pool, or Exploratory Area

**MONUMENT BUTTE**

11. County or Parish, State

**DUCHESNE COUNTY, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**INLAND PRODUCTION COMPANY**

3. Address and Telephone No.

**475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900**

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

**2214 FSL 0707 FEL NE/SE Section 6, T09S R16E**

12. **CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

**TYPE OF ACTION**

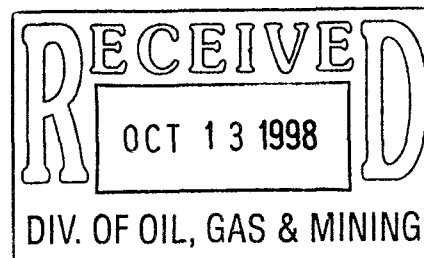
☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Site Security

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Attached please find the site security diagram for the above referenced well.



14. I hereby certify that the foregoing is true and correct

Signed

*Dickie E. Knight*

Title

Manager, Regulatory Compliance

Date

10/7/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

**CC: UTAH DOGM**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

# Inland Production Company Site Facility Diagram

Monument Federal 43-6Y

NE/SE Sec. 6, T9S, 16E

Duchesne County

May 12, 1998

Site Security Plan is held at the Roosevelt Office, Roosevelt Utah

## Production Phase:

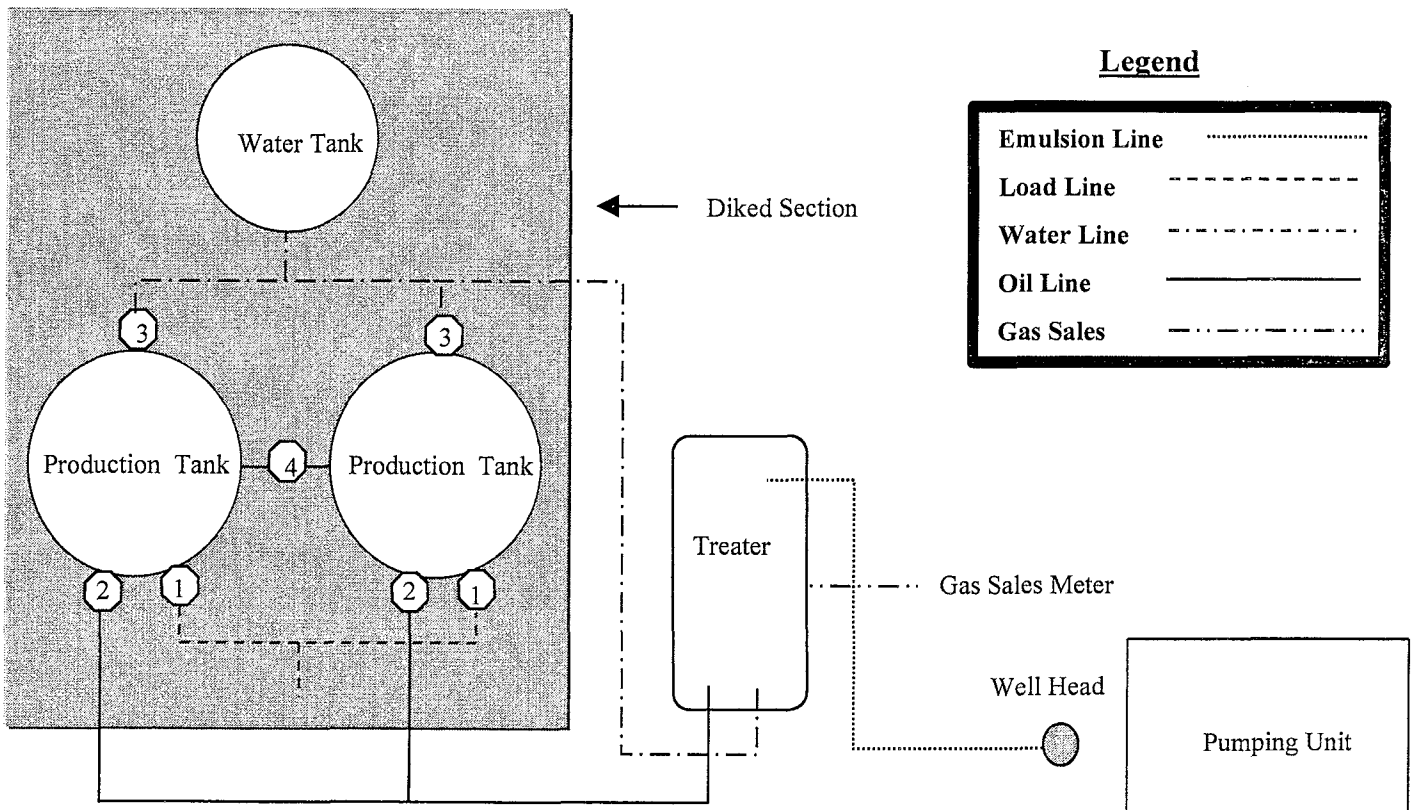
- 1) Valves 1, and 3 sealed closed
- 2) Valves 2 and 4 sealed open

## Sales Phase:

- 1) Valves 2, 3, and 4 sealed closed
- 2) Valves 1 open

## Draining Phase:

- 1) Valve 3 open





August 3, 1999

Mr. Dan Jarvis  
State of Utah  
Division of Oil, Gas and Mining  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well  
Monument Federal #43-6-9-16  
Monument Butte Field, West Point Unit, Lease #UTU-74390  
Section 6-Township 9S-Range 16E  
Duchesne County, Utah

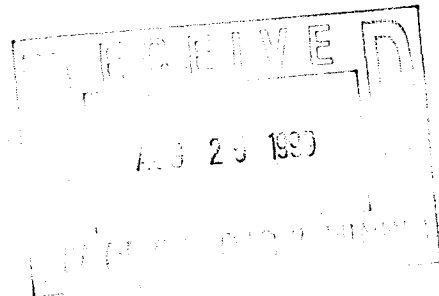
Dear Mr. Jarvis:

Inland Production Company herein requests approval to convert the Monument Federal #43-6-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact Jon Holst at (303) 893-0102.

Sincerely,

John E. Dyer  
Chief Operating Officer



**INLAND PRODUCTION COMPANY**

**APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL**

**MONUMENT FEDERAL #43-6-9-16**

**WEST POINT UNIT**

**MONUMENT BUTTE (GREEN RIVER) FIELD**

**LEASE #UTU-74390**

**AUGUST 3, 1999**

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<b>ATTACHMENT H-1</b>	<b>WELLBORE DIAGRAM OF PROPOSED PLUGGED WELL</b>

## APPLICATION FOR INJECTION WELL - UIC FORM 1

Comments:

# Monument Federal #43-6-9-16

Spud Date: 6/27/96

Put on Production: 8/06/96

GL: 5837' KB: ?

## SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 5 jts (242.22')

DEPTH LANDED: 264'

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls to surf.

## PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 137 jts

DEPTH LANDED: 5908'

HOLE SIZE: 7-7/8"

CEMENT DATA: 380 sxs Super "G" & 390 sxs 50/50 Poz

CEMENT TOP AT: 275' per CBL

## TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

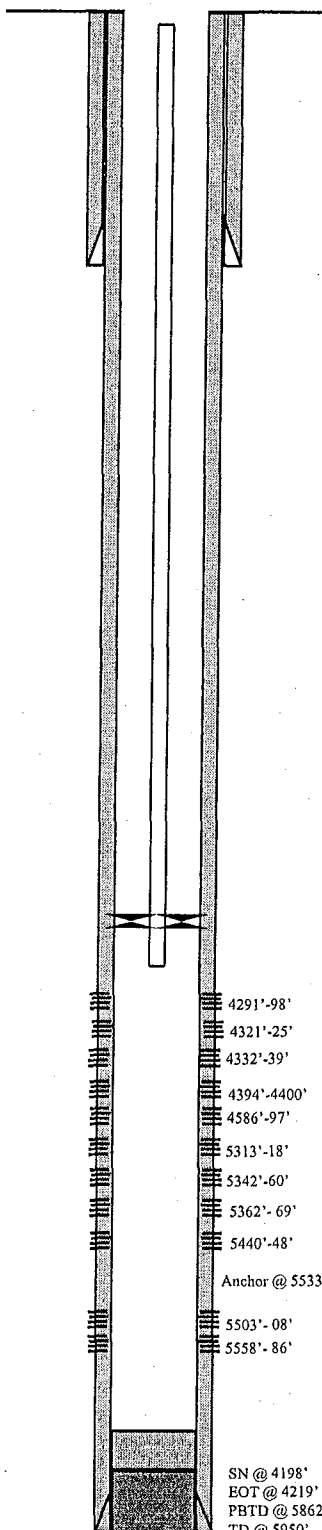
NO. OF JOINTS: 136 jts

PACKER: 4200'

TOTAL STRING LENGTH: 4219'

SN LANDED AT: 4198'

## Proposed Injection Wellbore Diagram



Initial Production: 56 BOPD, 0 MCFPD, 90 BWPD

## FRAC JOB

7-15-96	5558'-5586'	Frac sand as follows: 40,370# of 20/40 sd and 87,030# 16/30 sd w/35,028 gals 2% KCL water. Treated @ avg rate 38 BPM, avg press 3250 psi. ISIP-3550 psi, 5-min 2300 psi.
7-18-96	5440'-5508'	Frac sand as follows: 16,790# of 20/40 sd and 41,110# 16/30 sd w/21,000 gals 2% KCL water. Treated @ avg rate of 30.5 BPM, avg press 3250 psi. ISIP-2430 psi, 5-min 1820 psi.
7-23-96	4586'-4597'	Frac sand as follows: 49,500# 16/30 sand w/15,708 gals 2% KCL water. Treated w/avg press of 2500 psi w/avg rate of 20.2 BPM. ISIP-2950 psi, 5 min 2270 psi.
7-23-96	4291'-4400'	Frac sand as follows: 109,700# 16/30 sand w/36,666 gals 2% KCL water. Treated w/avg press of 2350 psi w/avg rate of 29.9 BPM. ISIP-2000 psi, 5 min 1690 psi.

## PERFORATION RECORD

7-12-96	5558'-5586'	4 JSPF	112 holes
7-17-96	5503'-5508'		9 holes
7-17-96	5440'-5448'		9 holes
7-18-96	5362'-5369'	4 JSPF	28 holes
7-18-96	5342'-5360'	4 JSPF	72 holes
7-18-96	5313'-5318'	4 JSPF	20 holes
7-22-96	4586'-4597'	4 JSPF	44 holes
7-23-96	4394'-4400'		4 holes
7-23-96	4332'-4339'		5 holes
7-23-96	4321'-4325'		4 holes
7-23-96	4291'-4298'		5 holes



Inland Resources Inc.

Monument Federal #43-6-9-16

2214 FSL 707 FEL

NE/SE Section 6-T9S-R16E

Duchesne Co, Utah

API #43-013-31644; Lease #UTU-74390



## **WORK PROCEDURE FOR INJECTION CONVERSION**

- 1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.**
- 2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.**
- 3. Test casing and packer.**
- 4. Rig down, move out.**

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS  
RULE R615-5-1**

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

- 2.1 **The name and address of the operator of the project.**

Inland Production Company  
410 17<sup>th</sup> Street, Suite 700  
Denver, Colorado 80202

- 2.2 **A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A

- 2.3 **A full description of the particular operation for approval is requested.**

Approval is requested to convert the Monument Federal #43-6-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, West Point Unit.

- 2.4 **A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

- 2.5 **The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. In the Monument Federal #43-6-9-16 well, the proposed injection zone is from 4291' – 5586'. The confining strata directly above and below the injection zones are the top of the Garden Gulch formation and the Basal Carbonate. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

- 2.6 **A copy of a log of a representative well completed in the pool.**

The referenced log for the Monument Federal #43-6-9-16 is on file with the Utah Division of Oil, Gas and Mining.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS**  
**RULE R615-5-1**

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

- 2.1 **The name and address of the operator of the project.**

Inland Production Company  
410 17<sup>th</sup> Street, Suite 700  
Denver, Colorado 80202

- 2.2 **A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.**

See Attachment A

- 2.3 **A full description of the particular operation for approval is requested.**

Approval is requested to convert the Monument Federal #43-6-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field, Boundary Unit.

- 2.4 **A description of the pools from which the identified wells are producing or have produced.**

The proposed injection well will inject into the Green River Formation.

- 2.5 **The names, description and depth of the pool or pools to be affected.**

The injection zone is in the Green River Formation. In the Monument Federal #43-6-9-16 well, the proposed injection zone is from 4291' – 5586'. The confining strata directly above and below the injection zones are the top of the Garden Gulch formation and the Basal Carbonate. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

- 2.6 **A copy of a log of a representative well completed in the pool.**

The referenced log for the Monument Federal #43-6-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water from the Johnson Water District supply line. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Inland Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-74390) in the Monument Butte (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,  
STORAGE AND ENHANCED RECOVERY WELLS  
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

- 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.

- 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

- 2.4 Copies of logs already on file with the Division should be referenced, but need not be refilled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

- 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24#, J-55 surface casing run to 242' GL, and 5-1/2", 15.5#, J-55 casing run from surface to 5908' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

- 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be injected is culinary water from the Johnson Water District supply line. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

- 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F, F-1, and F-2.

**2.8 The proposed average and maximum injection pressures.**

The proposed average injection pressure will be approximately 1500 psig and the maximum injection pressure will not exceed 1966 psig.

**2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.**

The minimum fracture gradient for the Monument Federal #43-6-9-16, for proposed zones (4291' – 5586') calculates at .893 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1966 psig. See Attachments G through G-1.

**2.10 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.**

In the Monument Federal #43-6-9-16, the injection zone (4310' – 5594') is in the Douglas Creek member of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The Douglas Creek member is composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' within the Monument Butte area. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

**2.11 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.**

See Attachments E through E-7.

Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

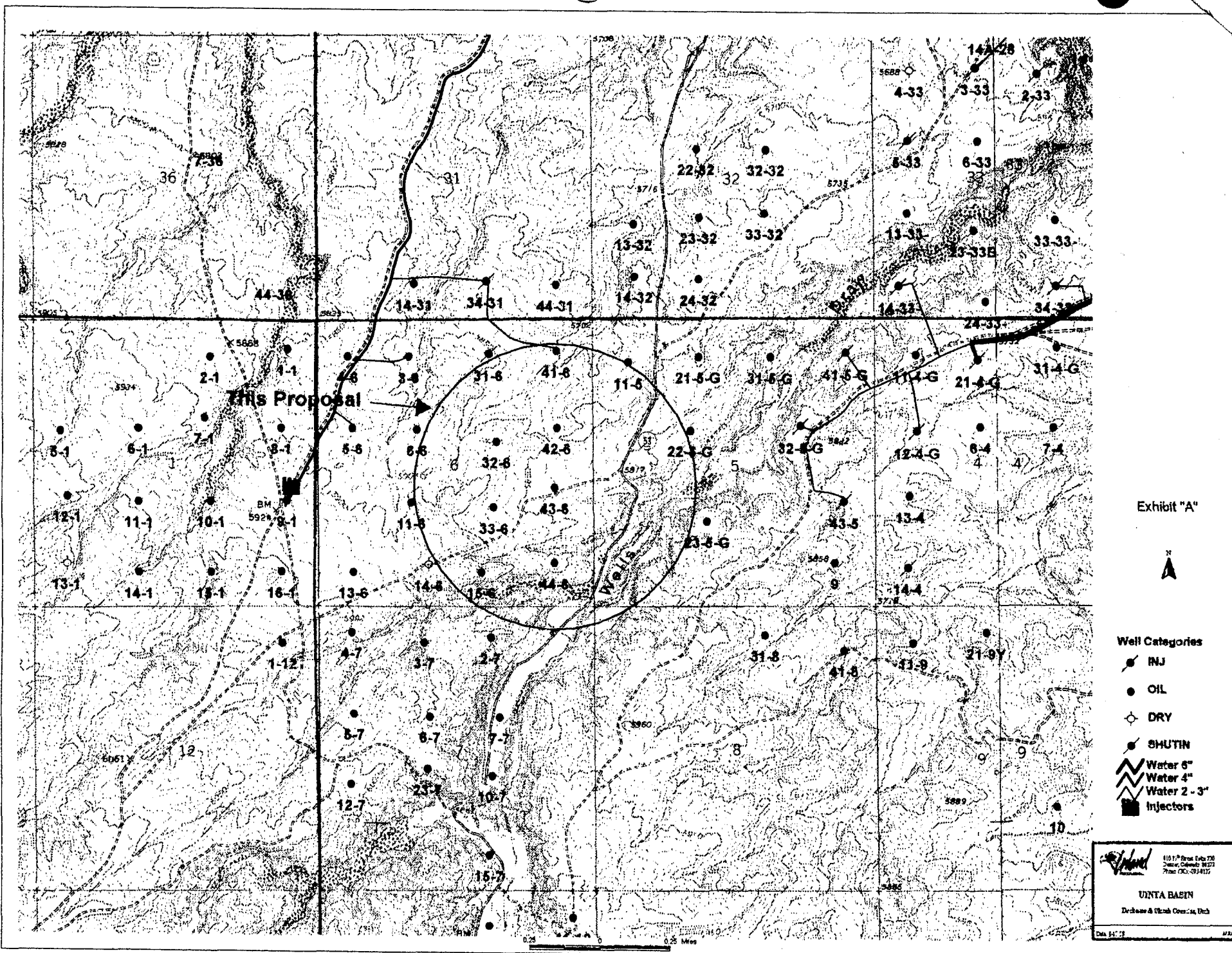
**2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.**

See Attachment C.

**2.13 Any other information that the Board or Division may determine is necessary to adequately review the application.**

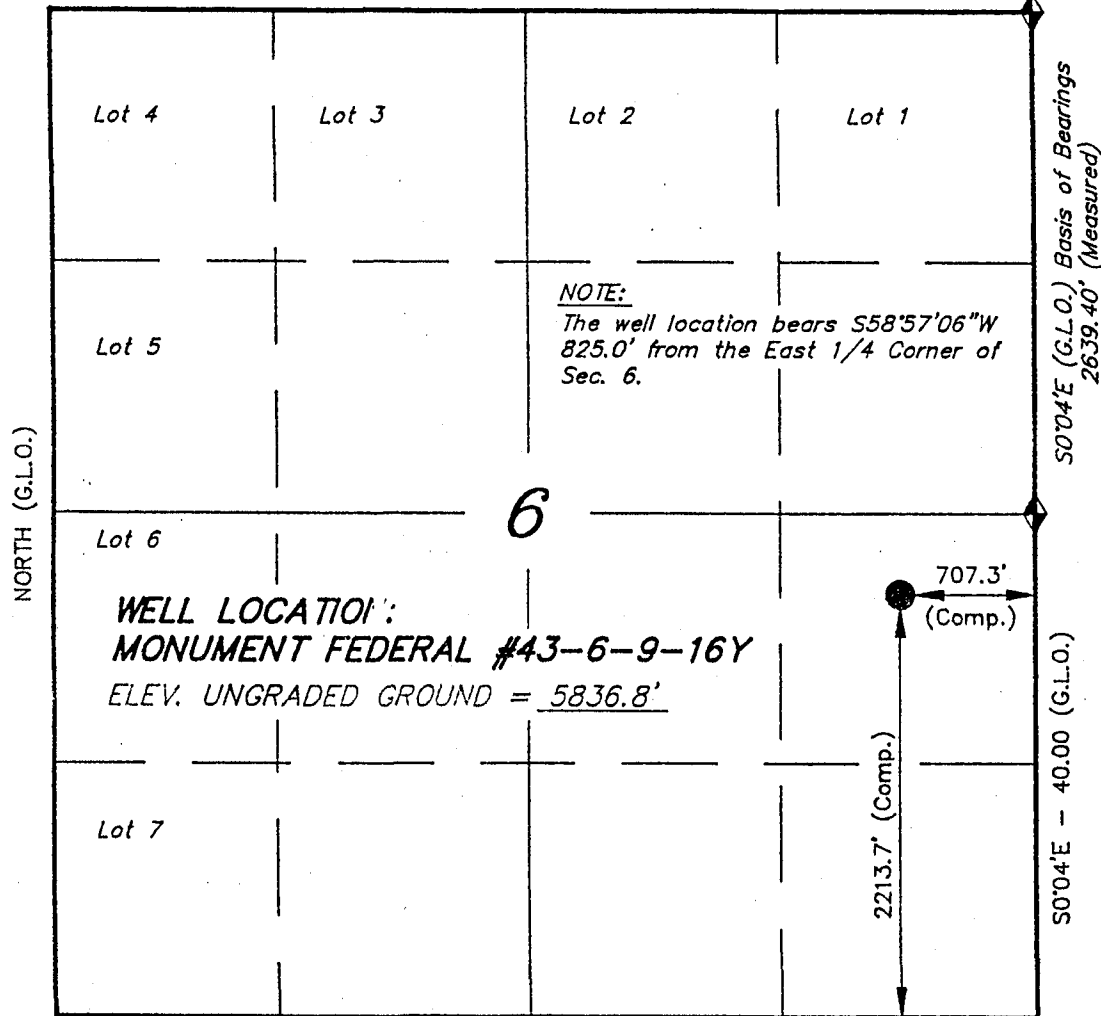
Inland Production Company will supply any requested information to the Board or Division.

## Attachment A



T9S, R16E, S.L.B.&M.

S89°57'E - 77.68 (G.L.O.)



S89°56'E - 77.76 (G.L.O.)

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (MYTON SW)

**EQUITABLE RESOURCES ENERGY CO.**

WELL LOCATION, MONUMENT FEDERAL  
#43-6-9-16Y, LOCATED AS SHOWN IN THE  
NE 1/4 SE 1/4 OF SECTION 6, T9S,  
R16E, S.L.B.&M. DUCHESNE COUNTY,  
UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF.

STACY W.  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 18937  
STATE OF UTAH

**TRI STATE LAND SURVEYING & CONSULTING**

38 WEST 100 NORTH - VERNAL, UTAH 84078  
(801) 781-2501

SCALE: 1" = 1000'

SURVEYED BY: S.S.

DATE: 2-29-96

WEATHER: WINDY & COLD

NOTES:

FILE #



# EXHIBIT B

Page 1

#	Land Description	Minerals Ownership & Expires	Minerals Leased By	Surface Rights
1	<u>Township 9 South, Range 16 East</u> Section 6: All Section 7: All Section 8: W/2 Section 9: NW/4SW/4 Section 17: NW/4 Section 18: L 1,2, NE/4, E/2NW/4	U-74390 HBP	Inland Production Company Yates Petroleum Corporation ABO Petroleum Corporation Yates Drilling Company Myco Industries	(Surface Rights) USA
2	<u>Township 9 South Range 16 East</u> Section 5: L 4, SW/4NW/4	UTU-69744 HBP	Interline Resources Corporation Producers Pipeline Corporation	(Surface Rights) USA
3	<u>Township 9 South, Range 16 East</u> Section 3: Lots 3,4, S/2NW/4, SW/4 Section 4: NE/4SW/4, SE/4 Section 5: W/2SW/4, SE/4SW/4	UTU-73087 HBP	Inland Production Company	(Surface Rights) USA
4	<u>Township 9 South, Range 16 East</u> Section 4: Lots 1-4, S/2N/2 Section 5: Lots 1-3, S/2NE/4, SE/4NW/4, NE/4SW/4	U-30096 HBP	Inland Production Company Key Production Company	(Surface Rights) USA

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well  
Monument Federal #43-6-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: \_\_\_\_\_

Inland Production Company  
John E. Dyer  
Chief Operating Officer

Sworn to and subscribed before me this 3rd day of August, 1999.

Notary Public in and for the State of Colorado: Patsy A. Barreau



My Commission Expires 11/14/2000

# Attachment E

## Monument Federal #43-6-9-16

Spud Date: 6/27/96  
 Put on Production: 8/06/96  
 GL: 5837' KB: ?

Initial Production: 56 BOPD, 0  
 MCFPD, 90 BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 5 jts (242.22')  
 DEPTH LANDED: 264'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 137 jts.  
 DEPTH LANDED: 5908'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 380 sxs Super "G" & 390 sxs 50/50 Poz  
 CEMENT TOP AT: 275' per CBL

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
 NO. OF JOINTS: 180 jts  
 TUBING ANCHOR: 5533'  
 TOTAL STRING LENGTH: 5624.68'  
 SN LANDED AT: 5598'

### SUCKER RODS

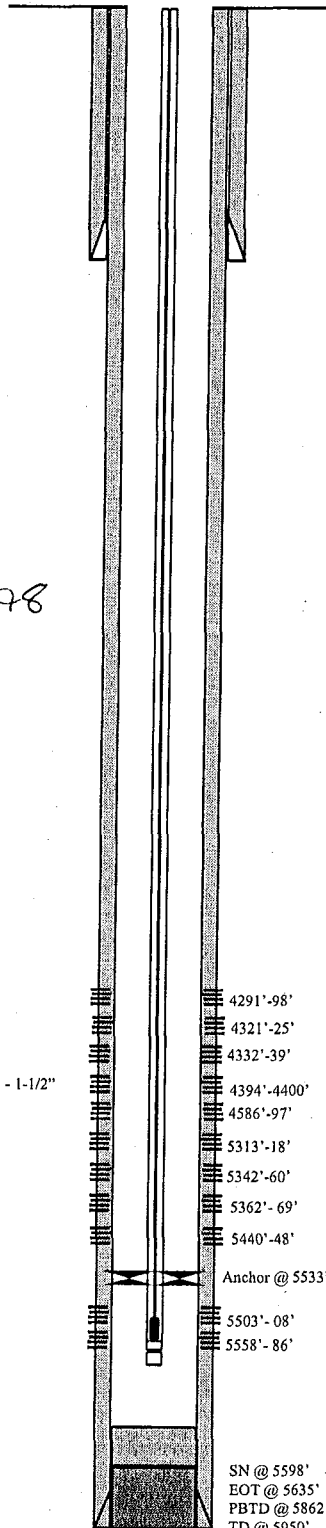
POLISHED ROD: 1-1/4" x 22' SM  
 SUCKER RODS: 1 - 6'-3/4" pony, 219 - 3/4" plain, 4 - 3/4" scapered, 1 - 1-1/2" weight rod.  
 PUMP SIZE: 2-1/2" x 1-1/2" x 15' RHAC  
 STROKE LENGTH: 100"  
 PUMP SPEED, SPM: 4 SPM  
 LOGS: CBL/GR

### FRAC JOB

7-15-96	5558'-5586'	<b>Frac sand as follows:</b> 40,370# of 20/40 sd and 87,030# 16/30 sd w/35,028 gals 2% KCL water. Treated @ avg rate 38 BPM, avg press 3250 psi. ISIP-3550 psi, 5-min 2300 psi.
7-18-96	5440'-5508'	<b>Frac sand as follows:</b> 16,790# of 20/40 sd and 41,110# 16/30 sd w/21,000 gals 2% KCL water. Treated @ avg rate of 30.5 BPM, avg press 3250 psi. ISIP-2430 psi, 5-min 1820 psi.
7-23-96	4586'-4597'	<b>Frac sand as follows:</b> 49,500# 16/30 sand w/15,708 gals 2% KCL water. Treated w/avg press of 2500 psi w/avg rate of 20.2 BPM. ISIP-2950 psi, 5 min 2270 psi.
7-23-96	4291'-4400'	<b>Frac sand as follows:</b> 109,700# 16/30 sand w/36,666 gals 2% KCL water. Treated w/avg press of 2350 psi w/avg rate of 29.9 BPM. ISIP-2000 psi, 5 min 1690 psi.

### PERFORATION RECORD

7-12-96	5558'-5586'	4 JSPF	112 holes
7-17-96	5503'-5508'		9 holes
7-17-96	5440'-5448'		9 holes
7-18-96	5362'-5369'	4 JSPF	28 holes
7-18-96	5342'-5360'	4 JSPF	72 holes
7-18-96	5313'-5318'	4 JSPF	20 holes
7-22-96	4586'-4597'	4 JSPF	44 holes
7-23-96	4394'-4400'		4 holes
7-23-96	4332'-4339'		5 holes
7-23-96	4321'-4325'		4 holes
7-23-96	4291'-4298'		5 holes



**Inland Resources Inc.**

**Monument Federal #43-6-9-16**

2214 FSL 707 FEL

NE/SE Section 6-T9S-R16E

Duchesne Co, Utah

API #43-013-31644; Lease #UTU-74390

# Attachment E-1

## Monument Federal #44-6

Spud Date: 12/29/96

Put on Production: 1/28/97

GL: 5861' KB: 5875'

### SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 5 jts (246')

DEPTH LANDED: 256'

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, 2% CaCl<sub>2</sub>, 1/4#/sx cello flake

TOC: 100'

### PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 139 jts. (5900')

DEPTH LANDED: 5910'

HOLE SIZE: 7-7/8"

CEMENT DATA: 305 sxs premium lite 10% gel, 6#/sx PA-91, 5% sod metas, 2#/sx kol-seal, 1/4#/sx cello flake. Tail w/385 sxs 50/509 poz, 2% gel, 1/4#/sx cello flake, 2#/sx kol-seal.

> 86% Bond Strength 34,000  
PROB GOOD BOND AROUND BIT  
HARD TO EVALUATE

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 176 jts (5427')

TUBING ANCHOR: 5013'

TOTAL STRING LENGTH: 5445'

SN LANDED AT: 5411'

### SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM

SUCKER RODS: 2-7/8" x 2' pony w/2-1/2" guide, 1-1/2" x 25' K-Bar, 214 3/4" x 25' D-61 plain

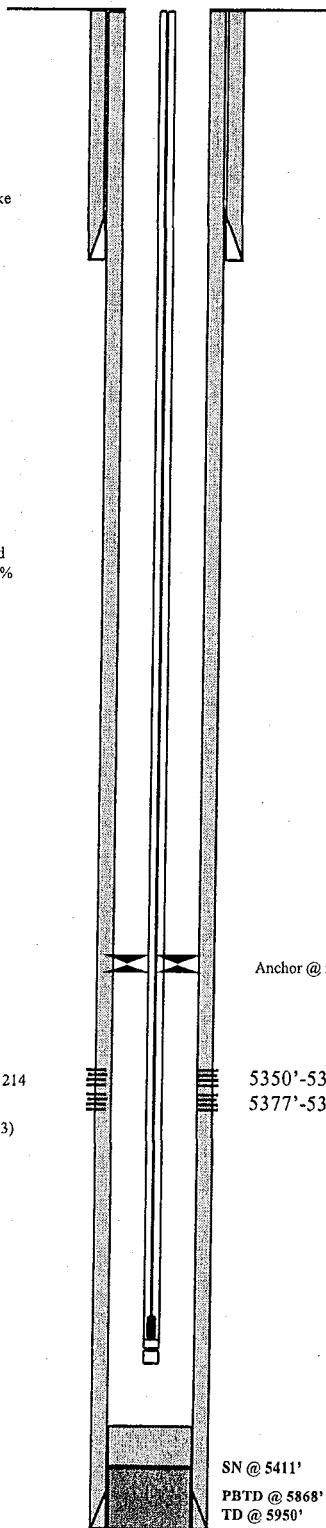
PUMP SIZE: 2-1/2" x 1-1/2" x 16" RWAC w/SM plunger (TRICO #1213)

STROKE LENGTH: 96"

PUMP SPEED, SPM: 6-1/4 SPM

LOGS: HALS, CBL/GR, DLL/GR, LDT, CNT

Wellbore Diagram



Initial Production: 17.5 BOPD,  
43.1 MCFPD, .25 BWPD

### FRAC JOB

10-09-97 5350'-5384' 14,532 gal 2% KCL wtr,  
14,110 lbs 20/40 ss & 26,520 lbs 16/30  
ss. ATP 1950 psi, ATR 26.3 bpm,  
Used 346 bbl wtr. Start forced closure  
flow back @ .5 bpm, flowed back 135  
bbls wtr, trace ss.

Anchor @ 5013'

5350'-5355'

5377'-5384'

### PERFORATION RECORD

1/08/97 4 SPF 5350'-5355'

5377'-5384'

1/13/97 Schlumberger 5087'-5100' 4-SPF

SN @ 5411'

PBTD @ 5868'

TD @ 5950'



Inland Resources Inc.

Monument Federal #44-6-9-16

816' FSL 725' FEL

SESE Section 6-T9S-R16E

Duchesne Co, Utah

API #43-013-31720; Lease #U-74390

# Attachment E-2

## Monument Federal #33-6

Spud Date: 6/4/96  
Put on Production: 7/10/96  
GL: 5867' KB: 5881

Initial Production: 5.66 BOPD,  
0 MCPPD, 0 BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 6 jts (252')  
DEPTH LANDED: 262'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, 2% CaCl<sub>2</sub>, 1/4#/sx cello flake  
TOC: 226'

### FRAC JOB

6-26-96 4845'-4859' 12,6600 gal 2% KCL wtr,  
37280 lbs 16/30 ss. ATP 2100 psi, ATR  
19.4 bpm, screen out w/29,229 lbs ss  
on formation flow back 110 bbls wtr.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 147 jts. (6070')  
DEPTH LANDED: 6080'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 390 sxs Super "G", 3% salt, 2% gel, 2#/sx kol-seal,  
1/4#/sx cello flake. Tail w/290 sxs 50/50 poz, 2% gel, 1/4#/sx kol-seal.

Most > 80% TD 228

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 159 jts  
TUBING ANCHOR: 4768'  
TOTAL STRING LENGTH: 4929'  
SN LANDED AT: 4894'

### SUCKER RODS

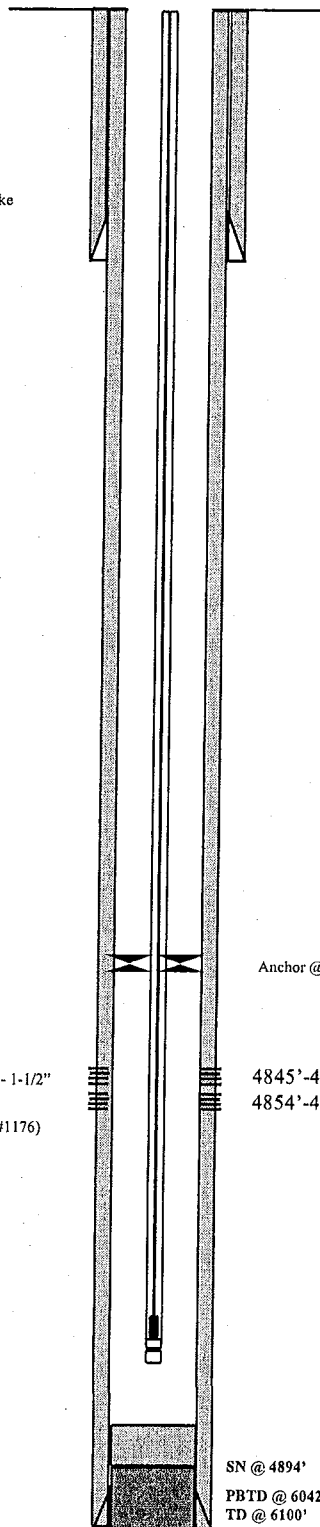
POLISHED ROD: 1-1/4" x 22' SM  
SUCKER RODS: 2-7/8" x 2' pony w/2-1/2" guide, 1 - 3/4" x 8' pony, 1 - 1-1/2"  
x 25' K-Bar, 193 3/4" x 25' D-61 plain  
PUMP SIZE: 2-1/2" x 1-1/2" x 15-1/2" RHAC w/SM plunger (TRICO #1176)  
STROKE LENGTH: 84"  
PUMP SPEED, SPM: 5 SPM  
LOGS: CBL/GR, DLL, SDL, DSN

Anchor @ 4768'

4845'-4853'  
4854'-4859'

### PERFORATION RECORD

6/25/96 4 SPF 4845'-4853'  
4854'-4859'



SN @ 4894'  
PBD @ 6042'  
TD @ 6100'



**Inland Resources Inc.**

**Monument Federal #33-6-9-16**

1950' FSL 1850' FEL

NWSW Section 6-T9S-R16E

Duchesne Co, Utah

API #43-013-31589; Lease #U-74390

# Attachment E-3

## Monument Federal #42-6-9-16

Spud Date: 7/8/96  
Put on Production: 8/22/96  
GL: 5835' KB: ?

Initial Production: 55 BOPD, 0  
MCFPD, 0 BWPD

Wellbore Diagram

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 5 jts (242.22')  
DEPTH LANDED: 252.22'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 142 jts. (5967.34')  
DEPTH LANDED: 5977.34'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 395 sxs Super "G" & 435 sxs 50/50 Poz  
CEMENT TOP AT: 405' per CBL

*MOET > 80' TO 464*

### TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#  
NO. OF JOINTS: 181 jts  
TUBING ANCHOR: 4278'  
TOTAL STRING LENGTH: 5695'  
SN LANDED AT: 5664'

### SUCKER RODS

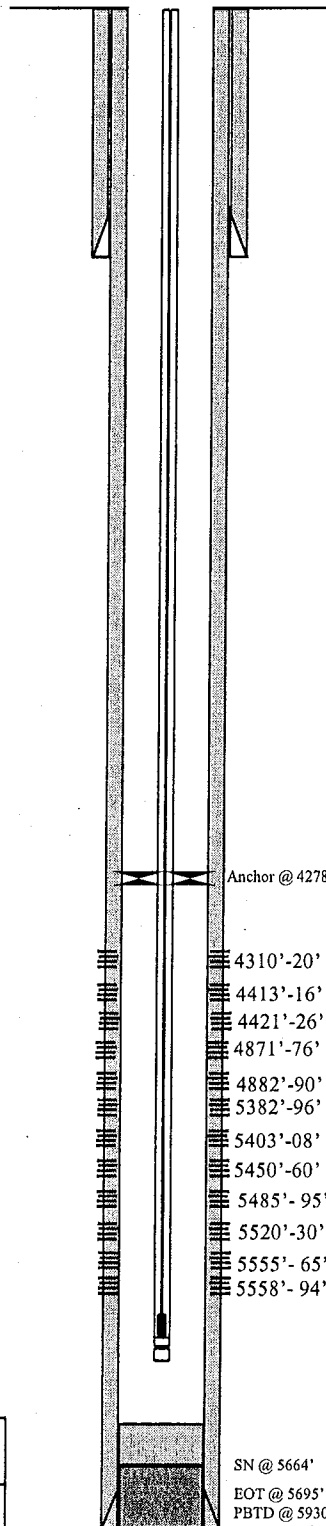
POLISHED ROD: 1-1/2" x 22' SM  
SUCKER RODS: 1-7/8" x 2' pony, 224 plain  
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RWAC  
STROKE LENGTH: 120"  
PUMP SPEED, SPM: 4.5 SPM  
LOGS: CBL/GR

### FRAC JOB

7-30-96 5382'-5594' Frac sand as follows:  
95,700# of 20/40 sd and 215,440# 16/30  
sd w/87,612 gals 2% KCL water. Treated  
@ avg rate 60.5 bpm, avg press 2800 psi.  
Breakdown @ 3137 psi. ISIP-2600 psi,  
5-min 1900 psi.

8-07-96 4871'-4890' Frac sand as follows:  
53,014# of 16/30 sd w/20,016 gals 2%  
KCL water. Treated @ avg rate of 31.8  
BPM, avg press 2450 psi. ISIP-2200 psi,  
5-min 1950 psi.

8-07-96 4310'-4426' Frac sand as follows:  
48,800# 16/30 sand w/25,704 gals 2%  
KCL water. Treated w/avg press of 2900  
psi w/avg rate of 30.8 BPM. ISIP-1900  
psi, 5 min 1760 psi.



### PERFORATION RECORD

Date	Interval	Tool	Holes
7-29-96	5588'-5594'	1 JSPF	6 holes
7-29-96	5555'-5565'	1 JSPF	10 holes
7-29-96	5520'-5530'	1 JSPF	10 holes
7-29-96	5485'-5495'	1 JSPF	10 holes
7-29-96	5450'-5460'	1 JSPF	10 holes
7-29-96	5403'-5408'	1 JSPF	5 holes
7-29-96	5382'-5396'	1 JSPF	14 holes
8-06-96	4871'-4876'	4 JSPF	24 holes
8-06-96	4882'-4890'	4 JSPF	32 holes
8-07-96	4421'-4426'	3 holes	3 holes
8-07-96	4413'-4416'	1 JSPF	3 holes
8-07-96	4310'-4320'	8 holes	8 holes



Inland Resources Inc.

Monument Federal #42-6-9-16

1980 FNL 660 FEL

NWNW Section 6-T9S-R16E

Duchesne Co, Utah

API #43-013-31645; Lease #UTU-74390

SN @ 5664'  
EOT @ 5695'  
PBTD @ 5930'  
TD @ 6000'

# Attachment E-4

## Monument Federal #32-6-9-16Y

Spud Date: 3/27/97

Put on Production: 5/7/97

GL: 5885.3'

### SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: ?

DEPTH LANDED: ?

HOLE SIZE: 12-1/4"

CEMENT DATA: ? sxs Class "G" cmt, est ? bbls to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 6332.95'

DEPTH LANDED: 6342.95'

HOLE SIZE: 7-7/8"

CEMENT DATA: 175 sxs Premium & 450 sxs 50/50 Poz

CEMENT TOP AT: 2500'

*Most 280% TO 2630*

### TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#

NO. OF JOINTS: 182 jts

TUBING ANCHOR: 4355'

TOTAL STRING LENGTH: ?

SN LANDED AT: 5655'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM

SUCKER RODS: 233-3/4" plain, 2-3/4"x8" pony

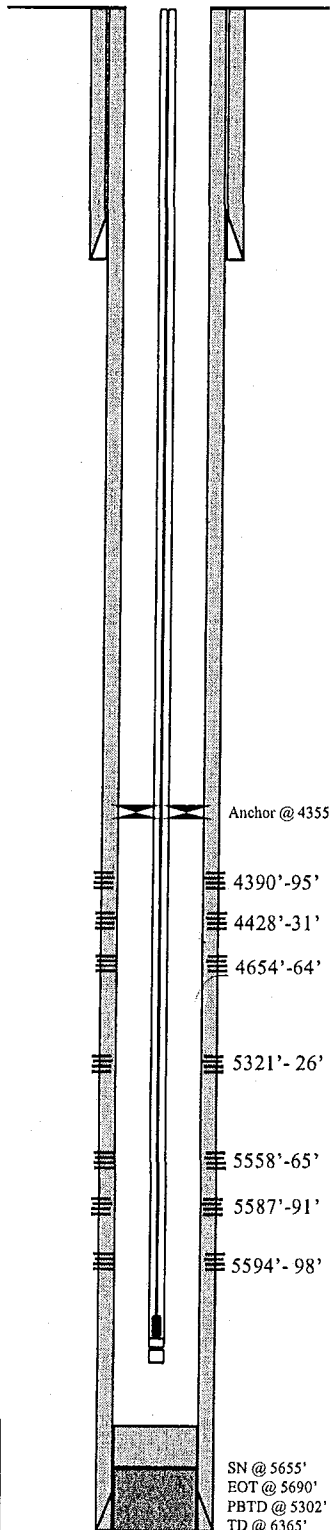
PUMP SIZE: 2-1/2" x 1-1/2" x 16' TWAC

STROKE LENGTH: 86"

PUMP SPEED, SPM: 5 SPM

LOGS: CBL/GR

Wellbore Diagram



Initial Production: 5 BOPD,  
100 MCFPD, 2 BWPD

### FRAC JOB

4-21-97	5558'-5598'	<b>Frac as follows:</b> Break down w/ 2940 gals 2% KCL water. Frac w/ 13,500# 20/40 mesh sand and 36,300# 16/30 mesh sand w/17,136 gals 2% KCL gelled water. ISIP-2300 psi. ATP-2300 psi and ATR-31.4 BPM.
4-23-97	5321'-5326'	<b>Frac as follows:</b> Break down w/ 2688 gals 2% KCL water. Frac w/4500# 20/40 mesh sand and 13,300# 16/30 mesh sand w/10,794 gals 2% KCL gelled water. ISIP-2200 psi, 5 min 1900 psi. ATP-2300 psi and ATR- 20.5 BPM.
4-25-97	4654'-4664'	<b>Frac as follows:</b> Frac w/27,300# 16/30 mesh sand w/12,180 gals 2% KCL gelled water. ATP-2400 psi and ATR-24.9 BPM. ISIP-2750 psi, 5 min 2260 psi.
4-28-97	4390'-4431'	<b>Frac as follows:</b> Break down w/1848 gals 2% KCL water. Frac w/23,700# 16/30 mesh sand w/10,960 gals 2% KCL gelled water. ATP-2850 psi and ATR-28 BPM. ISIP- 2300 psi, 5 min 1791 psi

### PERFORATION RECORD

4-18-97	5558'-5565'	4 JSPF	28 holes
4-18-97	5587'-5591'	4 JSPF	16 holes
4-18-97	5594'-5598'	4 JSPF	16 holes
4-23-97	5321'-5326'	4 JSPF	20 holes
4-25-97	4654'-4664'	4 JSPF	40 holes
4-28-97	4390'-4395'	4 JSPF	20 holes
4-28-97	4428'-4431'	4 JSPF	12 holes



**Inland Resources Inc.**

**Monument Federal #32-6-9-16Y**

2229 FNL 1792 FEL

NENW Section 6-T9S-R16E

Duchesne Co, Utah

API #43-013-31300; Lease #UTU-74390

SN @ 5655'  
EOT @ 5690'  
PBSD @ 5302'  
TD @ 6365'

# Attachment E-5

## Monument Federal #41-6-9-16Y

Spud Date: 11/29/96  
Put on Production: 1/7/97  
GL: 5802.7'

Initial Production: 136 BOPD,  
91 MCFPD, 107 BWPD

### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: J-55  
WEIGHT: 24#  
LENGTH: 5 jts (250.70')  
DEPTH LANDED: 260.70'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: J-55  
WEIGHT: 15.5#  
LENGTH: 140 jts (5985.41')  
DEPTH LANDED: 5995.41'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 310 sxs Class "G" & 435 sxs 50/50 Poz  
CEMENT TOP AT: 304' per CBL

*Notes: > 80% to 2874'*

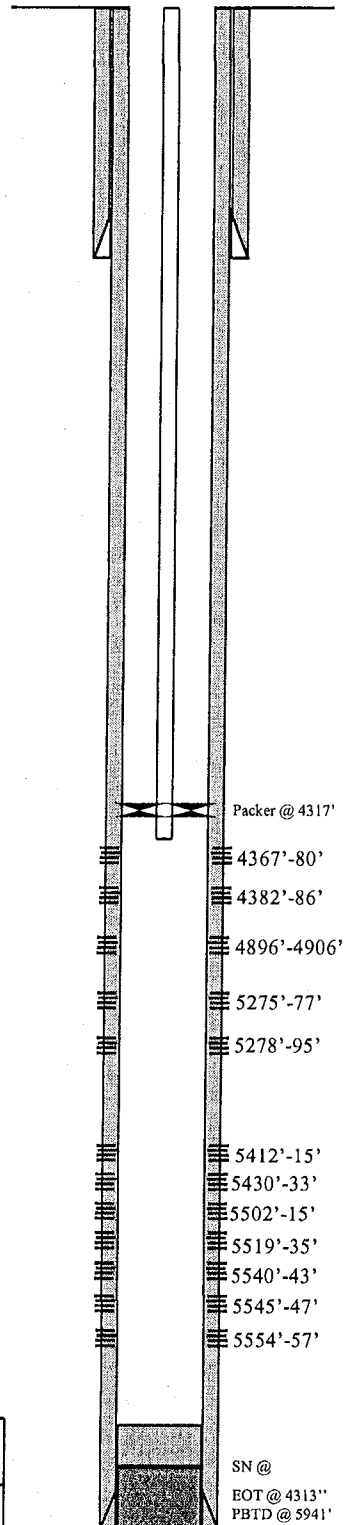
### TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#  
NO. OF JOINTS: 179 jts  
TUBING ANCHOR: 4301'  
TOTAL STRING LENGTH: 7  
SN LANDED AT: ?

### SUCKER RODS

POLISHED ROD:  
SUCKER RODS:  
PUMP SIZE:  
STROKE LENGTH:  
PUMP SPEED, SPM:  
LOGS: CBL/GR

### Injection Well Wellbore Diagram



### FRAC JOB

12-11-96	5412'-5557'	Fracs as follows: Frac w/ 49,950# 20/40 mesh sand and 109,060# 16/30 mesh sand w/45,024 gals 2% KCL gelled water. ISIP-2550 psi, 5 min 2240 psi. ATP-2750 psi and ATR-44 BPM.
12-13-96	5275'-5295'	Fracs as follows: Frac w/16,600# 20/40 mesh sand and 40,800# 16/30 mesh sand w/18,606 gals 2% KCL gelled water. ISIP-2500 psi, 5 min 1890 psi. ATP-1850 psi and ATR-26.1 BPM.
12-13-96	5114'-5119'	Fracs as follows: Frac w/17,500# 16/30 mesh sand w/10,710 gals 2% KCL gelled water. ATP-2000 psi and ATR-26 BPM. ISIP-1870 psi, 5 min 1650 psi.
12-17-96	4896'-4906'	Fracs as follows: Frac w/31,000# 16/30 mesh sand w/13,062 gals 2% KCL gelled water. ATP-2200 psi and ATR-25.5 BPM. ISIP-2800 psi, 5 min 1990 psi.
12-17-96	4367'-4386'	Fracs as follows: Frac w/51,000# 16/30 mesh sand in 17,304 gals 2% KCL gelled water. ATP-2200 psi. ATR-25.8 BPM. ISIP-3150 psi, 5 min 2090 psi.

### PERFORATION RECORD

12-11-96	5412'-5415'	2 JSPP	6 holes
12-11-96	5430'-5433'	2 JSPP	6 holes
12-11-96	5502'-5515'	2 JSPP	26 holes
12-11-96	5519'-5535'	2 JSPP	32 holes
12-11-96	5540'-5543'	2 JSPP	6 holes
12-11-96	5545'-5547'	2 JSPP	4 holes
12-11-96	5554'-5557'	2 JSPP	6 holes
12-13-96	5275'-5277'	4 JSPP	8 holes
12-13-96	5278'-5295'	4 JSPP	68 holes
12-16-96	4896'-4906'	4 JSPP	40 holes
12-17-96	4367'-4380'	4 JSPP	52 holes
12-17-96	4382'-4386'	4 JSPP	16 holes



**Inland Resources Inc.**

**Monument Federal #41-6-9-16Y**

560 FNL 656 FEL

NENW Section 6-T9S-R16E

Duchesne Co, Utah

API #43-013-31718; Lease #UTU-74390

SN @  
EOT @ 4313"  
PBTD @ 5941"  
TD @ 6000'



# Attachment E-6

## Wells Draw Federal #11-5

Spud Date: 12/31/85  
Put on Production: 2/11/86  
GL: 5815' KB: 5828'

Initial Production: 101 BOPD,  
100 MCFD, 0 BWPD

### Wellbore Diagram

#### SURFACE CASING

CSG SIZE: 8-5/8"  
GRADE: ?  
WEIGHT: 40#  
DEPTH LANDED: 285'  
HOLE SIZE: 12-1/4"  
CEMENT DATA: 197 sxs Class "G". Cmt top @ 3200'.

#### PRODUCTION CASING

CSG SIZE: 5-1/2"  
GRADE: ?  
WEIGHT: 17#  
DEPTH LANDED: 5978'  
HOLE SIZE: 7-7/8"  
CEMENT DATA: 185 sxs lodense & 250 sxs 10% Gypseal  
GAP IN BOND LOG 3400-4000

MOST > 80% TD 3216

#### TUBING

SIZE/GRADE/WT: 2-7/8" / J-55 / 6.5# / 8rd  
NO. OF JOINTS: 173  
TUBING ANCHOR: 5336' KB  
SEATING NIPPLE: 2-1/4"  
TOTAL STRING LENGTH: EOT @ 5601'  
SN LANDED AT: 5534' KB

#### SUCKER RODS

POLISHED ROD: 1-1/2" X 22'  
PONY RODS: 1 - 2' X 7/8" SUB, 1 - 2' X 3/4" SUBS, 215 - 3/4" PLAIN  
RODS, 4 WEIGHT RODS  
PUMP SIZE: 2-1/2" X 1-1/2" X 16' AXELSON (TOP HOLD DOWN)  
STROKE LENGTH: 64"  
PUMP SPEED, SPM: 4 SPM  
LOGS: DLL-MSFL, FDC-CNL

#### FRAC JOB

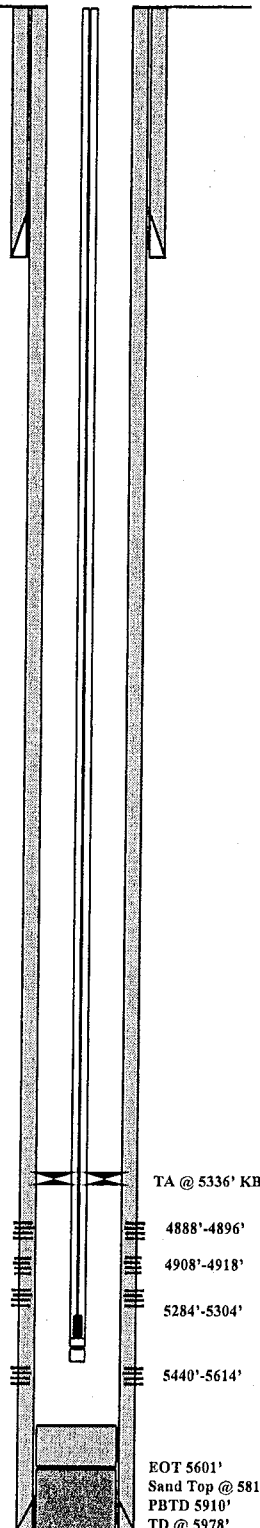
1/28/86 5440'-5614' Acidize 5440'-5488' w/75 bbls 3% KCL w/ClayStay & 150 balls. Broke @ 2750, 3 bpm. Acidize 5499'-5568' w/88 bbls 3% KCL & 175 balls. Max press 3250. Max rate 6 bpm @ 2900. Acidize 5588'-5614' w/38 bbls KCL wtr & 75 balls. Max press 3400. Max rate 6 bpm @ 3250. Frac w/238,000# 20/40 sd & 60,000# 16/30 sd in 94,000 gal frac. Flush w/4650 gals KCL wtr. Max press 3100 @ 49 bpm. Avg press 2250 @ 56 bpm. ISIP 2200, 5 min 1840, 10 min 1760, 15 min 1710. Flow well on 16/64" ck for 5 hrs. Rec 97 BW w/tr of sd.

6/01/87 5284'-5304' Frac w/97,000# 20/40 sd in 24,500 gal frac. Avg rate 30 bpm, avg press 1900. ISIP 2800, 5 min 2200, 10 min 1870, 15 min 1670.

6/02/87 4888'-4918' Frac w/97,000# 20/40 sd in 24,500 gal frac. Avg rate 31 bpm, avg press 2000. ISIP 2000, 5 min 1770, 10 min 1680, 15 min 1640. Open well on 10/64" ck. Flowed 120 BW. Pressure dropped to zero.

#### PERFORATION RECORD

1/27/86	5603'-5614'	33 holes
1/27/86	5588'-5599'	33 holes
1/27/86	5539'-5568'	87 holes
1/27/86	5524'-5530'	18 holes
1/27/86	5506'-5520'	36 holes
1/27/86	5499'-5502'	9 holes
1/27/86	5485'-5488'	9 holes
1/27/86	5452'-5479'	81 holes
1/27/86	5440'-5449'	27 holes
6/01/87	5284'-5304'	60 holes
6/01/87	4908'-4918'	30 holes
6/01/87	4888'-4896'	24 holes



Inland Resources Inc.

Wells Draw Federal #11-5

Celsius Energy Co.

687' FWL 781' FNL

NWNW Section 5-T9S-R16E

Duchesne Co, Utah

API #43-013-31144; Lease #U-30096

# Attachment E-7

## Nine Mile #6-6

Spud Date: 11/6/97

Put on Production: 12/17/97

GL: 5841' KB: 5854'

### SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 311.79'

DEPTH LANDED: 324.70' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sks Premium cmt, est 1 bbls to surf.

### PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 137 jts. (5909.273')

DEPTH LANDED: 5920.77'

HOLE SIZE: 7-7/8"

CEMENT DATA: 390 sks Hibond mixed & 350 sks thixotropic

CEMENT TOP AT:

POST > 80% TO 2560

### TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#

NO. OF JOINTS: 166 jts

TUBING ANCHOR: 5116'

TOTAL STRING LENGTH: EOT @ 5234.37'

SN LANDED AT: 5150'

### SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM

SUCKER RODS: 4-11/2" wt rods; 28-3/4" scraped; 78-3/4" plain; 94-3/4" scraped; 1-2", 1-4", 1-6", 1-8" x 3/4" pony rods

PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC

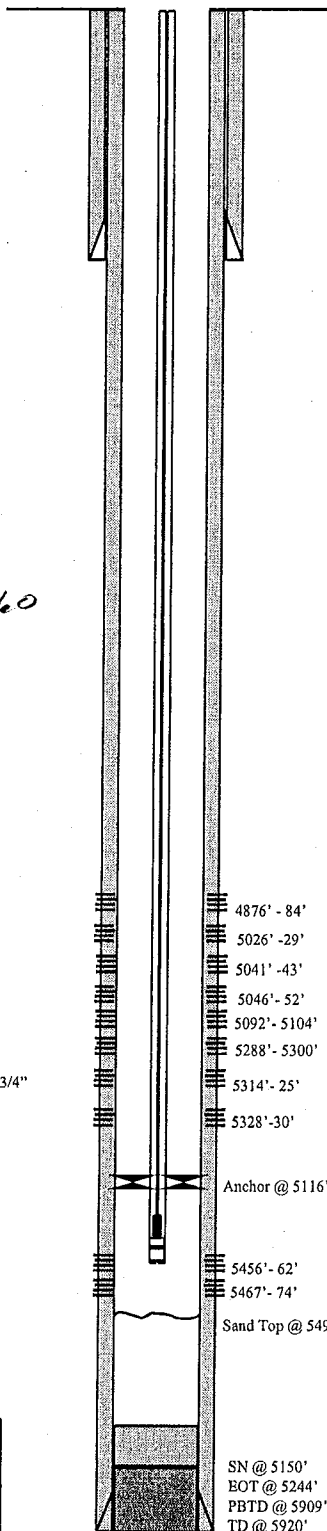
STROKE LENGTH: 74"

PUMP SPEED, SPM: 5 SPM

LOGS: DIGL/SP/GR/CAL (5920'-323')

DSN/SDL/GR (5894'-3000')

Wellbore Diagram



Initial Production: 75 BOPD,  
74 MCFPD, 36 BWPD

### FRAC JOB

12/7/97	5456'-5474'	<p><b>Frac LDC sand as follows:</b> 121,300# of 20/40 sd in 573 bbls Delta Frac. Treated @ avg rate 29 bpm, avg press 2600 psi. Breakdown @ 2627 psi. ISIP-2836 psi, 5-min 2720 psi. Flowback for 4 hrs &amp; died.</p>
12/10/97	5288'-5330'	<p><b>Frac A sand as follows:</b> 130,300# of 20/40 sd in 622 bbls Boragel. Breakdown @ 2160 psi. Treated @ avg rate of 31 BPM, avg press 1950 psi. ISIP- 2462 psi, 5-min 2145 psi. Flowback on 12/64" ck for 2-1/2 hrs &amp; died.</p>
12/12/97	5026'-5104'	<p><b>Frac C/B sands as follows:</b> 114,300# 20/40 sand in 549 bbls Delta Frac. Breakdown @ 2220 psi. Treated w/avg press of 1880 psi w/avg rate of 28.1 BPM. ISIP - 2974 psi, 5 min 2670 psi. Flowback on 12/64" ck for 3 hrs &amp; died.</p>
12/14/97	4876'-4884'	<p><b>Frac D sand as follows:</b> 114,300# 20/40 sand in 520 bbls of Delta Frac. Breakdown @ 3516 psi. Treated @ avg press of 2046 psi w/avg rate of 26.2 BPM. ISIP-2550 psi, 5 min 2350 psi. Flowback on 12/64" ck for 3 hrs &amp; died.</p>

### PERFORATION RECORD

12/6/97	5456'-5462'	4 JSPF	24 holes
12/6/97	5467'-5474'	4 JSPF	28 holes
12/9/97	5288'-5300'	4 JSPF	48 holes
12/9/97	5314'-5325'	4 JSPF	44 holes
12/9/97	5328'-5330'	4 JSPF	8 holes
12/11/97	5026'-5029'	4 JSPF	12 holes
12/11/97	5041'-5043'	4 JSPF	8 holes
12/11/97	5046'-5052'	4 JSPF	24 holes
12/11/97	5092'-5104'	4 JSPF	48 holes
12/13/97	4876'-4884'	4 JSPF	32 holes
Top of fish @ 5473'			
Fish is: 2-7/8" NC, 1 jt 2/78" tbg, 16' of 2nd jt 2-7/8" tbg			



Inland Resources Inc.

Nine Mile #6-6

2011 FNL 1869 FWL

SENW Section 6-T9S-R16E

Duchesne Co, Utah

API #43-013-31719; Lease #UTU-74390

**UNICHEM**

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066Office (801) 722-5068  
Fax (801) 722-5727

Attachment F

**WATER ANALYSIS REPORT**

Company INLAND Address \_\_\_\_\_ Date 01-14-98  
 Source Johnson Water Date Sampled \_\_\_\_\_ Analysis No. \_\_\_\_\_  
FRESH WATER

	Analysis	mg/l(ppm)	*Meg/l
1. PH	<u>7.0</u>		
2. H <sub>2</sub> S (Qualitative)	<u>0.5</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>593</u>	
5. Alkalinity (CaCO <sub>3</sub> )		CO <sub>3</sub> <u>0</u>	÷ 30 <u>0</u> CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )		HCO <sub>3</sub> <u>300</u>	÷ 61 <u>5</u> HCO <sub>3</sub>
7. Hydroxyl (OH)		OH <u>0</u>	÷ 17 <u>0</u> OH
8. Chlorides (Cl)		Cl <u>35</u>	÷ 35.5 <u>1</u> Cl
9. Sulfates (SO <sub>4</sub> )		SO <sub>4</sub> <u>110</u>	÷ 48 <u>2</u> SO <sub>4</sub>
10. Calcium (Ca)		Ca <u>44</u>	÷ 20 <u>2</u> Ca
11. Magnesium (Mg)		Mg <u>22</u>	÷ 12.2 <u>2</u> Mg
12. Total Hardness (CaCO <sub>3</sub> )		<u>200</u>	
13. Total Iron (Fe)		<u>2.2</u>	
14. Manganese			
15. Phosphate Residuals			

\*Mill equivalents per liter

**PROBABLE MINERAL COMPOSITION**

	Compound	Eqv. Wt.	X	Meg/l	=	Mg/l
Ca	Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04	<u>2</u>			<u>162</u>
	CaSO <sub>4</sub>	68.07				
	CaCl <sub>2</sub>	55.50				
Mg	Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17	<u>2</u>			<u>146</u>
	MgSO <sub>4</sub>	60.19				
	MgCl <sub>2</sub>	47.62				
Na	NaHCO <sub>3</sub>	84.00	<u>1</u>			<u>84</u>
	Na <sub>2</sub> SO <sub>4</sub>	71.03	<u>2</u>			<u>142</u>
	NaCl	58.46	<u>1</u>			<u>59</u>

Saturation Values	Distilled Water 20°C
CaCO <sub>3</sub>	13 Mg/l
CaSO <sub>4</sub> · 2H <sub>2</sub> O	2,090 Mg/l
MgCO <sub>3</sub>	103 Mg/l

REMARKS \_\_\_\_\_

435 722 5727

**UNICHEM**

A Division of BJ Services

P.O. Box 217  
Roosevelt, Utah 84066

Attachment F-1

Office (435) 722-5066  
Fax (435) 722-5727**WATER ANALYSIS REPORT**Company INLAND PRODUCTION COMPANY

Address \_\_\_\_\_

Date 8-19-99Source MF 43-6

Date Sampled \_\_\_\_\_

Analysis No. \_\_\_\_\_

	Analysis	mg/l(ppm)	*Mg/l
1. PH	9.5		
2. H <sub>2</sub> S (Qualitative)	0		
3. Specific Gravity	1.011		
4. Dissolved Solids		14,483	
5. Alkalinity (CaCO <sub>3</sub> )	CO <sub>3</sub>	0	÷ 30 0 CO <sub>3</sub>
6. Bicarbonate (HCO <sub>3</sub> )	HCO <sub>3</sub>	1,200	÷ 61 20 HCO <sub>3</sub>
7. Hydroxyl (OH)	OH	0	÷ 17 0 OH
8. Chlorides (Cl)	Cl	7,800	÷ 35.5 219 Cl
9. Sulfates (SO <sub>4</sub> )	SO <sub>4</sub>	0	÷ 48 0 SO <sub>4</sub>
10. Calcium (Ca)	Ca	8	÷ 20 0 Ca
11. Magnesium (Mg)	Mg	0	÷ 12.2 0 Mg
12. Total Hardness (CaCO <sub>3</sub> )		20	
13. Total Iron (Fe)		10.0	
14. Manganese		0	
15. Phosphate Residuals			

\*Milli equivalents per liter

**PROBABLE MINERAL COMPOSITION**

Compound	Eq. Wt.	X	Meq/l	=	Mg/l
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04				
CaSO <sub>4</sub>	68.07				
CaCl <sub>2</sub>	55.50				
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17				
MgSO <sub>4</sub>	60.19				
MgCl <sub>2</sub>	47.62				
NaHCO <sub>3</sub>	84.00	20			1,680
Na <sub>2</sub> SO <sub>4</sub>	71.03	219			12,803
NaCl	58.46				

Saturation Values

Distilled Water 20°C

CaCO<sub>3</sub>

13 Mg/l

CaSO<sub>4</sub> · 2H<sub>2</sub>O

2,090 Mg/l

MgCO<sub>3</sub>

103 Mg/l

REMARKS \_\_\_\_\_

Received Time - Aug. 19. - 1:29PM

435 722 5727

Attachment F-2

## AQUAMIX SCALING PREDICTIONS

COMPANY: INLAND PRODUCTION CO  
 LOCATION:  
 SYSTEM:

8-19-99

WATER DESCRIPTION:	JOHNSON WATER	MF 43-6
P-ALK AS PPM CaCO <sub>3</sub>	0	0
M-ALK AS PPM CaCO <sub>3</sub>	492	1968
SULFATE AS PPM SO <sub>4</sub>	110	0
CHLORIDE AS PPM Cl	35	7800
HARDNESS AS PPM CaCO <sub>3</sub>	0	0
CALCIUM AS PPM CaCO <sub>3</sub>	110	20
MAGNESIUM AS PPM CaCO <sub>3</sub>	90	0
SODIUM AS PPM Na	92	5497
BARIUM AS PPM Ba	0	0
STRONTIUM AS PPM Sr	0	0
CONDUCTIVITY	0	0
TOTAL DISSOLVED SOLIDS	593	14483
TEMP (DEG-F)	100	100
SYSTEM pH	7	9.5

## WATER COMPATIBILITY CALCULATIONS

JOHNSON WATER AND MF 43-6

CONDITIONS: pH=8.3. TEMPERATURE ESTIMATED FROM COMPONENT WATERS.

WATER ONE IS JOHNSON WATER

DEG-F	STIFF DAVIS CaCO <sub>3</sub> INDEX	lbs/1000 BBL EXCESS CaCO <sub>3</sub>	mg/l BaSO <sub>4</sub> IN EXCESS OF SATURATION	mg/l SrO <sub>4</sub> IN EXCESS OF SATURATION	mg/l Gypsum IN EXCESS OF SATURATION
100	1.11	34	0	0	0
90	1.12	32	0	0	0
80	1.10	29	0	0	0
70	1.05	26	0	0	0
60	.99	23	0	0	0
50	.92	19	0	0	0
40	.83	16	0	0	0
30	.72	13	0	0	0
20	.60	9	0	0	0
10	.47	6	0	0	0
0	.31	3	0	0	0

# Attachment "G"

## Monument Federal #43-6-9-16 Proposed Maximum Injection Pressure

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5558	5586	5572	3550	1.070	3529
5440	5508	5474	2430	0.877	2403
4586	4597	4592	2950	1.075	2937
4291	4400	4346	2000	0.893	1966
				Minimum	1966

Calculation of Maximum Surface Injection Pressure

$P_{max} = (\text{Frac Grad} - (0.433 \times 1.005)) \times \text{Depth of Top Perf}$   
 where pressure gradient for the fresh water is .433 psi/ft and  
 specific gravity of the injected water is 1.005.

$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Avg. Depth})) / \text{Avg. Depth}$

**DAILY OPERATING REPORT**

**MONUMENT FEDERAL #43-6-9-16Y**

**Location: NE SE SECTION 6, T9S, R16E**

**Duchesne County, Utah**

Attachment G-1

---TIGHT HOLE---

**07/12/96 Completion**

TIH w/4-3/4" bit, 5-1/2" csg scrapper & 198 jts 2-7/8" tbg. Tag PBD @ 5862' KB. Pressure test cst to 1000 psi, OK. TOO H w/tbg, scrapper. RU Cutter Wire Line to run CBL & perf. Run CBL from 5841' KB to surface w/1000 psi. TOC @ 275' KB. Perforate 5558' - 5586', 4 SPF. RD Cutter Wire Line. TIH w/TE RBP, retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-3/8" x 2-7/8" cross over, 2-7/8" SN & 180 jts 2-7/8" tbg. Set BP @ 5623' KB. EOT @ 5497' KB, pkr @ 5489' KB. SWI until 7/15/96.

DC: \$10,041

CC: \$117,141

**07/15/96 Completion**

RU BJ Services & break dow 5558' - 5586' as follows: used 5080 gals 2% KCL wtr and 336 ball sealers, saw ball action, no ball off. ATP = 400 psi, ATR = 3.3 bpm, ISIP = 2200 psi. Used 140 bbls wtr. TOO H w/tbg, pkr, & retrieving tool. Flow back 20 bbls wtr. Frac 5558' - 5586' as follows: used 35,028 gals 2% KCL wtr w/40,370 lbs 20/40 sand & 87,030 lbs 16/30 sand. ATP = 3250 psi, ATR = 38 bpm, ISIP = 3550 psi, 5 min = 2300 psi, 10 min = 2040 psi, 15 min = 1910 psi, 30 min = 1670 psi. Used 834 bbls wtr. Start forced closure flow back, 1.0 bpm. Flowed back 370 bbls wtr, trace of sand. Release pkr. TIH w/retrieving tool, pkr & tbg. Tag sand @ 5480' KB> Circulate down to BP @ 5623' KB. Set pkr @ 5489' KB. SWIFD.

DC: \$40,666

CC: \$157,807

**07/16/96 Completion**

Fluid level surface, trace oil 1<sup>st</sup> run. Made 39 swab runs. Recovered 12 bbls oil & 176 bbls wtr. Last 2 runs 20% oil. Fluid level 2500' last 3 runs. No sand last 9 runs. Good gas last 20 runs. Release pkr. Tag sand @ 5594' KB. Circulate down to BP @ 5623' KB. Release BP. Reset BP @ 5562' KB. TOO H w/tbg, pkr & retrieving tool. SWIFD.

DC: \$3,745

CC: \$161,552

**07/17/96 Completion**

RU Cutters Wire Line & perf 5440' - 5448', 9 holes & 5503' - 5508', 9 holes. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr, SN & 178 jts tbg. Reset BP @ 5480' KB, pkr @ 5397' KB. RU BJ Services & break down 5440' - 5448' with 2058 gals 2% KCL wtr and 18 ball sealers, saw ball action, no ball off. ATP = 4100 psi, ATR = 2.8 BPM, ISIP = 2100 psi. Used 49 bbls wtr. Reset BP @ 5562' KB, pkr @ 5458' KB. Break down perfs 5503' - 5508' with 1764 gals 2% KCL wtr and 18 ball sealers, saw ball action, no ball off. ATP = 4200 psi, ATR = 3.0 bpm, ISIP = 2600 psi. Used 42 bbls wtr. Reset pkr above all perfs. SWIFD.

DC: \$2,938

CC: \$164,490

**DAILY OPERATING REPORT**

**MONUMENT FEDERAL #43-6-9-16Y**

**Location: NE SE SECTION 6, T9S, R16E**

**Duschesne County, Utah**

Attachment G-1 cont.

---TIGHT HOLE---

**07/18/96 Completion**

RU BJ Services & acidize 5503' - 5508'. Spot acid on perfs. Pump 500 gals 15% NCL. Communicate between 5440' & 5508'. Reset pkr @ 5397' KB. Check tools. Pump 500 gals acid on 5440' - 5503'. Used 73 bbls wtr & 24 bbls acid. ATP = 2900 psi, ATR = 2.9 bpm, ISIP = 1800 psi. TOOH w/tbg, pkr & retrieving tool. Frac 5440' - 5448', 5503' - 5508' w/21,000 gals 2% KCL wtr, 16,790 lbs 20/40 sand & 41,110 lbs 16/30 sand. ATP = 3250 psi, ATR = 30.5 bpm, ISIP = 2430 psi, 5 min = 1820 psi, 10 min = 1690 psi, 15 min = 1630 psi. Used 500 bbls wtr. Set Wire Line HE BP @ 5420' KB. Perforate 5362' - 5369', 4 SPF. Pressure behind csg blew gun up hole. Check Wire Line BP, OK. Perforate 5342' - 5360', 5313' - 5318', 4 SPF. RD BJ Services. RD Cutter Wire Line. Flow well back, 1 bbl per min. Flow back 255 bbls wtr, trace oil, no sand. SWIFD.

DC: \$35,774

CC: \$200,264

**07/19/96 Completion**

TIH w/RBP, retrieving tool, HD pkr, SN & 170 jts tbg. Set BP @ 5328' KB, pkr @ 5246' KB. Made 6 swab runs on 5313' - 5318'. Recovered 31 bbls wtr, trace oil, gas cut, trace sand. Release pkr, release BP, TOOH w/tbg, pkr & BP. TIH w/retrieving tool & 173 jts tbg. Tag sand @ 5388' KB. Circulate down to HE BP @ 5420' KB. Release wire line BP. TOOH w/tbg & BP. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr, SN & 175 jts tbg. Tag sand @ 5430' KB. Circulate down to BP @ 5547' KB. Set pkr @ 5245' KB. Made 16 swab runs, recovered 81 bbls wtr, trace oil, trace sand, gas cut. Final fluid level @ 1800'. SWIFN.

DC: \$4,725

CC: \$204,989

**07/22/96 Completion**

RU Cutter Wire Line & perf 4586' - 4597', 4 SPF. RD Cutter Wire Line. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-3/8" x 2-7/8" cross over, 2-7/8" SN & 144 jts tbg. Set pkr @ 4506' KB. EOT 4513' KB. RU BJ Services & break down 4586' - 4597' w/3486 gals 2% KCL wtr and 88 ball sealers pumped, saw ball action, no ball off. ATP = 2300 psi, ATR = 4.9 bpm, ISIP = 1620 psi. Used 83 bbls wtr. Flow back 10 bbls wtr. TOOH w/tbg, pkr & retrieving tool. SWIFD.

DC: \$2,443

CC: \$207,432



**DAILY OPERATING REPORT**

**MONUMENT FEDERAL #43-6-9-16Y**

**Location: NE SE SECTION 6, T9S, R16E**

**Duchesne County, Utah**

Attachment G-1 cont.

**---TIGHT HOLE---**

**07/23/96 Completion**

RU BJ Services to frac 4586' - 4597'. Frac w/15,708 gals 2% KCL wtr and 49,500 lbs 16/30 sand. ATP = 2500 psi, ATR = 20.2, ISIP = 2950, 5 min = 2270 psi, 10 min = 2020 psi, 15 min = 1930 psi. Used 374 bbls wtr. RU Cutter Wire Line & set HE BP @ 4460' KB. Perf 4291' - 4298', 5 holes; 4321' - 4325', 4 holes; 4332' - 4339', 5 holes; 4394' - 4400', 4 holes. RD Cutter Wire Line. TIH w/retrievable BP, 2-3/8" x 4' sub, HD pkr, 2-7/8" SN & 142 jts tbg. Set BP @ 4435', EOT @ 4358', pkr @ 4351'.

Break down 4394' - 4400' w/1974 gals 2% KCL wtr and pumped 8 ball sealers, saw ball action, no ball off. ATP = 2100 psi, ATR = 4.5 bpm, ISIP = 940 psi. Used 47 bbls wtr. Reset BP @ 4361', EOT @ 4264', pkr @ 4257'. Break down 4291' - 4339' w/1848 gals 2% KCL wtr and pumped 28 ball sealers, saw ball action, ball off. ATP = 3400 psi, ATR = 4.1 bpm, ISIP = 1020 psi. Used 44 bbls wtr. Release pkr & BP. TOOH w/tbg, pkr & BP. Frac 4291' - 4298', 4321' - 4325', 4332' - 4339', 4394' - 4400'. Frac w/36,666 gals 2% KCL wtr and 109,700 lbs 16/30 sand. ATP = 2350 psi, ATR = 29.9 bpm, ISIP = 2000 psi, 5 min = 1690 psi, 10 min = 1610 psi, 15 min = 1580 psi, 30 min = 1480 psi. Start frac. Pressure up to 5200 psi after 65 bbls pumped. Shut down. Surge perfs. Wait 30 min, injection test 25.6 bpm, 2540 psi. ISIP = 1400. Restart frac. End frac. Start forced closure flow back - 1.3 bpm. Flow back 150 bbls wtr, trace sand. SWIFD.

DC: \$54,984

CC: \$262,416

**07/24/96 Completion**

Bleed well down. Flow back 80 bbls wtr. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-7/8" SN & 135 jts tbg. Tag sand @ 4203' KB. Circ down to BP @ 4460' KB. Release BP. TOOH w/tbg, pkr & HE BP. TIH w/retrieving tool, 2-3/8" x 4' sub, HD pkr, 2-7/8" SN & 146 jts 2-7/8" tbg. Tag sand @ 4575' KB. Circ down to BP @ 4639' KB. Set pkr @ 4257' KB. Made 23 swab runs. Recovered 4 bbls oil & 111 bbls wtr. Trace sand & good gas. Oil 7% last 3 runs. Fluid level 1600' last 2 runs. SWIFN.

DC: \$2,075

CC: \$264,491

## ATTACHMENT H

### WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Plug #1 Set 423' plug from 5213'-5636' with 59 sxs Class "G" cement.
2. Plug #2 Set 161' plug from 4486'-4647' with 29 sxs Class "G" cement.
3. Plug #3 Set 259' plug from 4191'-4450' with 40 sxs Class "G" cement.
4. Plug #4 Set 200' plug from 2000'-2200' with 25 sxs Class "G" cement.
5. Plug #5 Set 100' plug from 214'-314' (50' on either side of casing shoe) with 15 sxs Class "G" cement.
6. Plug #6 Set 50' plug from surface with 10 sxs Class "G" cement.
7. Pump 50 sxs Class "G" cement down the 8-5/8" x 5-1/2" annulus to cement to surface.

The approximate cost to plug and abandon this well is \$18,000.

# Attachment H-1

## Monument Federal #43-6-9-16

Spud Date: 6/27/96

Put on Production: 8/06/96

GL: 5837' KB: ?

### SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 5 jts (242.22')

DEPTH LANDED: 264'

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls to surf.

Initial Production: 56 BOPD, 0  
MCFPD, 90 BWPD

### Proposed P & A Wellbore Diagram

### PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

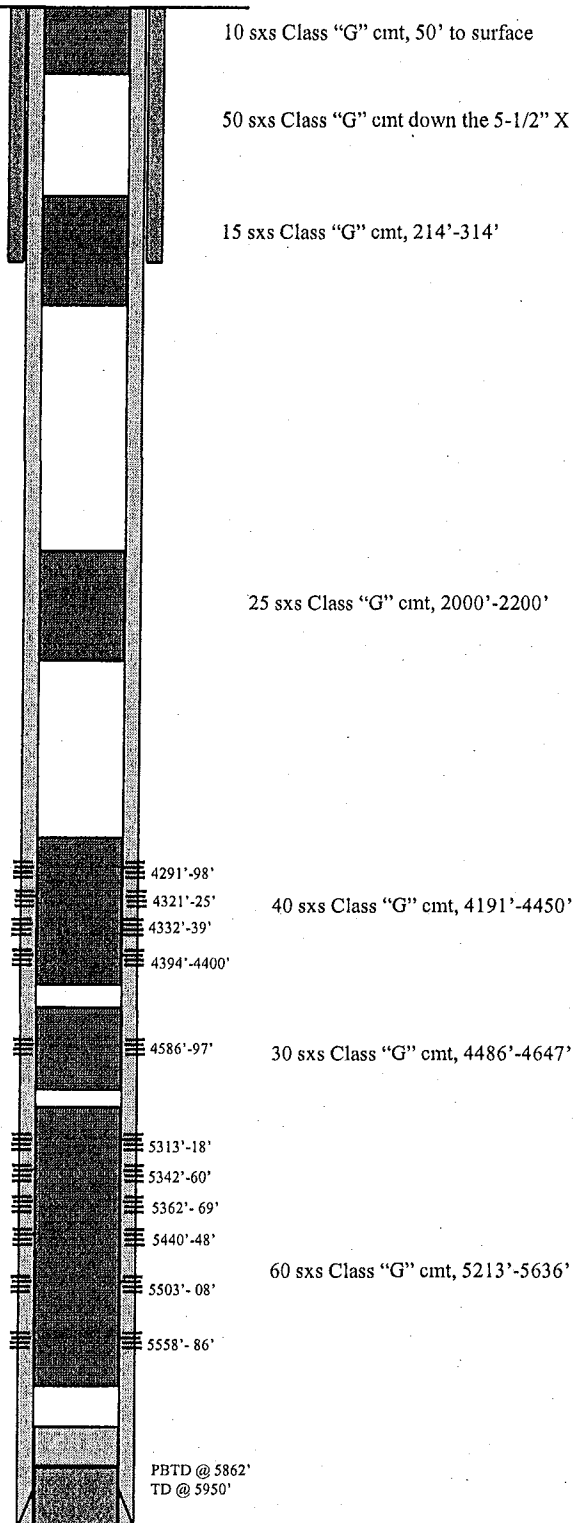
LENGTH: 137 jts.

DEPTH LANDED: 5908'

HOLE SIZE: 7-7/8"

CEMENT DATA: 380 sxs Super "G" & 390 sxs 50/50 Poz

CEMENT TOP AT: 275' per CBL



**Inland Resources Inc.**

**Monument Federal #43-6-9-16**

2214 FSL 707 FEL

NE/SE Section 6-T9S-R16E

Duchesne Co, Utah

API #43-013-31644; Lease #UTU-74390



# LEGAL NOTICES

Your Right To Know!

## ADVERTISE- MENT FOR BIDS

Separate sealed Bids for the Construction of **Roosevelt City 1999 Pedestrian Safety Sidewalk Improvements (UDOT # 1099)** will be received by **Roosevelt City Corporation** at the **Roosevelt City Hall, 255 South State Street** until **September 20, 1999 at 1:00 p.m. (MST)**, and then at said Office, publicly opened and read aloud.

The principal items of work are approximately as follows:

Roadway: Excavation, Installation of 430 lineal feet of 30 inch Curb & Gutter, 415 lineal feet of sidewalk (6'), 110 tons of U.B.C., 180 lineal feet of 6' chain link fence, and 5 disabled pedestrian ramps.

The project is to be started after March 1, 2000 and shall be completed on or before April 30, 2000.

Bidders on this work will be required to comply with the President's Executive Order No. 11246 and the Equal Employment Opportunity and Labor Standard Provisions.

The CONTRACT DOCUMENTS, consisting of Advertisement for Bids, Information for Bidders, BID, BID BOND, Agreement, GENERAL CONDITIONS, SUPPLEMENTAL GENERAL CONDITIONS, Payment Bond, Performance Bond, NOTICE OF AWARD, NOTICE TO PROCEED, CHANGE ORDER, DRAWINGS, SPECIFICATIONS and ADDENDA, may be examined at the following locations:

**Horrocks Engineers, One West Main, American Fork, Utah 84003**

Copies of the CONTRACT DOCUMENTS may be obtained at the office of **Horrocks Engineers** located at **One West Main Street, American Fork, Utah 84003** and **50 North 100 East, Roosevelt, Utah 84066**, upon payment of \$35.00 for each set, none of which will be refunded.

All bidders are required to provide a bid bond in the amount of 10% of their bid, and the successful BIDDER will be required to provide payment and performance bonds underwritten by the Surety Company approved by the U.S. Department of the Treasury. (Circular 570, latest edition.)

September 1, 1999  
Dennis Jenkins  
Mayor

Published in the Uintah Basin Standard September 7 & 14, 1999

## NOTICE TO WATER

TITY: 1.59 ac-ft. SOURCE: 6 in. Well 100 ft. To 200 ft. Deep. POD: (1) S 950 E 650 from W1/4 Cor, Sec 30, T3S, R5W, SLB&M. (7 Miles West of Duchesne) USE: Irrigation: from Apr 1 to Oct 31, total acreage 0.2500 acs; Stockwatering: 5 head of livestock; Domestic: 1 family. POU: NW1/4SW1/4 Sec 30, T3S, R5W.

43-10965 (A72346): Kathy Goodin. QUANTITY: 1.48 ac-ft. SOURCE: 6 in. Well 40 ft. Deep. POD: (1) S 930 W 2440 from E1/4 Cor, Sec 24, T1N, R2W. (Neola) USE: Irrigation: from Apr 1 to Oct 31, total acreage 0.2500 acs; Stockwatering: 10 head of livestock; Domestic: 1 family. POU: NW1/4SE1/4 Sec 24, T1N, R2W.

90-1085 (A72342): Glen D. & June A. Borst. QUANTITY: 0.25 ac-ft. SOURCE: (2) Unnamed Springs. POD: (1) S 65 W 2650 (2) S 240 W 2610 from E1/4 Cor, Sec 8, T11S, R11E, SLB&M. (27 miles North of Price) USE: Domestic: 1 family. POU: NW1/4 SE1/4 Sec 8, T11S, R11E, SLB&M.

Robert L. Morgan, P.E.  
STATE ENGINEER

Published in the Uintah Basin Standard September 7 & 14, 1999

## NOTICE TO WATER USERS

The State Engineer received the following Application(s) to Appropriation or Change Water in Duchesne County (Locations in USB&M).

Persons objecting to an application must file a CLEARLY READABLE PROTEST stating FILING NUMBER, REASONS FOR OBJECTION, PROTESTANTS' NAME AND RETURN ADDRESS, and any request for a hearing. Protest must be filed with the State Engineer, Box 146300, Salt Lake City, UT 84114-6300 (801-538-7240) on or before **OCTOBER 11, 1999**.

Informal proceedings as per Rule R655-6-2 of the Division of Water Rights.

(LEGEND) Point(s) of Diversion = POD; Place of Use = POU; Nature of Use = USE

APPLICATION(S) TO APPROPRIATE WATER

43-10942 (A72231): Dan and Linda L. Scartezina. QUANTITY: 0.4 ac-ft. SOURCE: 6 in. Well 50 ft. To 200 ft. Deep. POD: (1) N 45 E 3597 from SW Cor, Sec 14, T4S, R8W, SLB&M. (7 mi. SE of Fruitland) USE: Irrigation: from Apr 1 to Oct 31, total acreage 0.1000 acs. POU: SW1/4SE1/4 Sec 13, T4S,

Starvation Reservoir. POD: (1) S 2754 E 457 from NW Cor, Sec 27, T3S, R5W. USE: Same as Heretofore. POU: SW1/4NE1/4, SE1/4NW1/4 Sec 4, T4S, R3E. Robert L. Morgan, P.E. STATE ENGINEER. Published in the Uintah Basin Standard September 14 & 21, 1999.

## PUBLIC NOTICE

NOTICE is hereby given that the time and place for SATELLITE REGISTRATION for Duchesne City Municipal Election of the names of qualified electors in Duchesne City, Utah, prior to the Primary Election to be held on Tuesday, October 5, 1999, will be between the hours of 8:00 a.m. and 8:00 p.m. on the following days: **Friday, September 24, 1999, and Monday, September 27, 1999** at the following location: Duchesne County Administration Building in the office of the County Clerk, 734 North Center Street in Duchesne.

ATTEST: Diane Freston, Duchesne County Clerk.

Published in the Uintah Basin Standard September 14 & 21, 1999.

## NOTICE OF AGENCY ACTION CAUSE NO. UIC-244

IN THE MATTER OF THE APPLICATION OF INLAND PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF 13 WELLS IN DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS. THE PROPOSED INJECTION WELLS ARE LOCATED IN: SEC 32, TWP 8 S, RNG 16 E; SEC 28, 29, 31 & 33, TWP 8 S, RNG 17 E; SEC 12, TWP 9 S, RNG 15 E; SEC 6 & 12, TWP 9 S, R 16 E; SEC 15, TWP 9 S, R 17 E, SLB&M. STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the following wells as Class II injection wells: Wells Draw Unit Wells: State 14-32-8-16, 23-32-8-16 & 32-32-8-16 wells, located in Sec 32, Twp 8 S, Rng 16 E; Ashley Unit Well: Ashley Federal 1-12-0-15 well, located in

DIVISION OF OIL, GAS & MINING  
John R. Baza  
Associate Director  
Published in the Uintah Basin Standard September 14, 1999.

## NOTICE OF REGULAR MEETING OF THE BOARD OF COUNTY COMMISSIONERS OF DUCHEсне COUNTY

PUBLIC NOTICE is hereby given that the Board of Duchesne County Commissioners will meet in regular public session on Monday in the Commission Board Room of the Duchesne County Administration Building in Duchesne, Utah commencing at 1:00 p.m. on September 13, 1999.

The agenda for the meeting is as follows:

1:00 p.m. Prayer/Pledge of Allegiance/Reading of the Minutes

Road Items - Supervisor Nielsen

Discussion of Proposed Purchase of Road Department Lay Down Machine

Auditor's Office Vouchers - Department Head Time Sheets

Action Items -

\* Soil Conservation District Budget - Lamar Wilson

\* Property Taxes - Mike Baker

\* Resolution 99-14 A Resolution Approving Participation in the Indigent Capital Defense Trust Fund and Committing to Fulfill the Assessment Requirements as Set Forth in Section 77-32-601 Through 77-32-603, Utah Code, as Enacted by the Legislature in Senate Bill 103 in the 1998 General Session.

\* Change of Agent of Record - For the Following Insurance Programs: Dental Medical, Life, Disability

\* Plat Amendments

American Cellular Inc. - Mountain High Estates

Phase 1 Plat Amendment #1, Sec 7, T11S, R11E, USB&M, Argyle Canyon

American Cellular Inc. - Tabby Heights Phase 1

Plat Amendment #2, Section 27, T11S, R8W, USB&M, Tablona

\* Setting Date of Public Hearing for An Ordinance Amending Chapter 17-60-50 - Manufactured Home and Travel Trailers Prohibited - Exceptions

\* Adoption of Resolution 99-15, A resolution Declaring that it is in the Best Interest of the County

and the Residents Concerned that the Duchesne County Upper County Water Improvement District be Enlarged and Extended by the Annexation of a Tract of Land Adjacent Thereto and Providing that Notice of Intention be Published Fixing the Time and Place of Hearing for all Persons to be Heard Relative to Said Annexation.

\* Discussion of Appointment to the Expired Seat A, Moon Lake Division, Duchesne County Water Conservancy Board.

I, Diane Freston, Duchesne County Clerk/Auditor, certify that on September 10, 1999 pursuant to U.C.A. 52-4-6, this notice posted at least 24 hours prior to meeting time.

Notice also given to the Radio Station KNEU, and the Uintah Basin Standard. Diane Freston, Duchesne County Clerk/Auditor.

IN COMPLIANCE WITH THE AMERICANS WITH DISABILITIES ACT, PERSONS NEEDING AUXILIARY COMMUNICATIVE AIDS AND SERVICES FOR THIS MEETING SHOULD CALL THE DUCHEсне COUNTY CLERK'S OFFICE. THREE DAYS NOTICE IS REQUIRED. (Toll Free 738-1100, 722-3997 & 822-4680).

Published in the Uintah Basin Standard September 14, 1999.

## NOTICE OF DECISION

On September 8, 1999, Roosevelt-Duchesne District Ranger, Joseph R. Bistrisky, made the decision to construct a big game cattle enclosure within an aspen stand on Anthro Mountain within section 5 of T7SR5W. The enclosure will have two parts, one that excludes livestock but allows access by big game animals and one that excludes all ungulates. A decision was also made not to conduct a prescribed burn in this same area. The purpose and need for the enclosure is to monitor aspen regeneration in the understory of a mature aspen stand. Our goal is to learn more about the factors influencing regrowth and preservation of aspen stands on Anthro Mountain.

An environmental analysis and public review of this project were completed and no extraordinary circumstances or substantial environmental effects were identified. Therefore, this project has been categorically excluded from documentation in an environmental assessment document or environmental impact statement. The associated Decision Memo is

available at the Duchesne County Office, 215 S. 800 E., Suite 215, P.O. Box 1181, Duchesne, UT 84003. Published in the Uintah Basin Standard September 14, 1999.

## PUBLIC NOTICE

The Utah Institution: Administ

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Section 3

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## PUBLIC NOTICE

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Basin Stand

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**RICH J. RANCH/CLIFF VOOR**

12th Annual

BEFORE THE DIVISION OF OIL, GAS AND MINING  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE APPLICATION OF	:	NOTICE OF AGENCY
INLAND PRODUCTION COMPANY FOR	:	ACTION
ADMINISTRATIVE APPROVAL OF 13 WELLS	:	
IN DUCHESNE COUNTY, UTAH, AS CLASS	:	CAUSE NO. UIC-244
II INJECTION WELLS. THE PROPOSED	:	
INJECTION WELLS ARE LOCATED IN:	:	
SEC 32, TWP 8 S, RNG 16 E; SECS 28, 29,	:	
31 & 33, TWP 8 S, RNG 17 E; SEC 12, TWP 9	:	
S, RNG 15 E; SEC 6 & 12, TWP 9 S, R 16 E;	:	
SEC 15, TWP 9 S, R 17 E; S.L.M.	:	

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

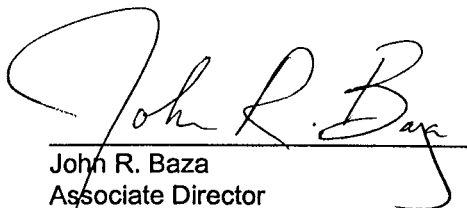
Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Inland Production Company for administrative approval of the following wells as Class II injection wells: Wells Draw Unit Wells: State 14-32-8-16, 23-32-8-16 & 32-32-8-16 wells, located in Sec 32, Twp 8 S, Rng 16 E; Ashley Unit Well: Ashley Federal 1-12-9-15 well, located in Sec 12, Twp 9 S, R 15 E; Boundary Unit Wells: Tar Sands Federal 5-29-8-17, 1-33-8-17 & Tar Sands 7-28-8-17 wells, located in Secs 28, 29 & 33, Twp 8 S, R 17 E; Jonah Unit Well: Monument Federal 42-12J-9-16 well, located in Sec 12, Twp 9 S, Rng 16 E; Lone Tree Unit Wells: South Pleasant Valley 7-15-9-17 & Pleasant Valley 21-15H-9-17 wells, located in Sec 15, Twp 9 S, Rng 17 E; Sand Wash Unit Wells: Tar Sands 5-31-8-17 & Tar Sands Federal 13-29-8-17 wells, located in Sec 29 & 31, Twp 8 S, Rng 17 E; West Point Unit Well: ~~Monument Federal~~ 43-6-9-16 well, located in Sec 6, Twp 9 S, Rng 16 E, S.L.M., Duchesne County, Utah. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The Green River Formation will be selectively perforated for water injection. The maximum injection pressure and rate will be determined on each individual well based on fracture gradient information submitted by Inland Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 8<sup>th</sup> day of September 1999.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

  
John R. Baza  
Associate Director

DIVISION OF OIL, GAS AND MINING  
UNDERGROUND INJECTION CONTROL PROGRAM

**PERMIT  
STATEMENT OF BASIS**

**Applicant:** Inland Production Company

**Well:** Monument Fed. 43-6

**Location:** 6/9S/16E

**API:** 43-013-31664

**Ownership Issues:** The proposed well is located on Federal (BLM) land. The well is located in the West Point Unit. Lands in the one-half mile radius of the well are administered by the BLM. Inland and various other individuals hold the leases in the unit. Inland has provided a list of all surface, mineral and lease holders in the half-mile radius. Inland is the operator of the West Point Unit. Inland has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

**Well Integrity:** The proposed well has surface casing set at 264 feet and is cemented to surface. A 5 1/2 inch production casing is set at 5908 feet and has a cement top at 278' (CBL). The cement appears to have better than an 80% bond over most of the cemented interval. A 2 7/8 inch tubing with a packer will be set at 4200 feet. A mechanical integrity test will be run on the well prior to injection. There are 7 producing wells in the area of review. All of the wells have adequate casing and cement. No corrective action will be required.

**Ground Water Protection:** According to Technical Publication No. 92 the base of moderately saline water is at a depth of approximately 800 feet. Injection will be limited to the interval between 4291 feet and 5586 feet in the Green River Formation. Information submitted by Inland indicates that the fracture gradient for the 43-6 well is .893 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1966 psig. The requested maximum pressure is 1966 psig. The anticipated average injection pressure is 1500 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any ground water present should be adequately protected.

**Monument Fed. 43-6**  
**page 2**

**Oil/Gas& Other Mineral Resources Protection:** The Board of Oil, Gas & Mining approved the West Point Unit on May 14, 1998. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

**Bonding:** Bonded with BLM

**Actions Taken and Further Approvals Needed:** A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that Administrative approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Brad Hill

Date: 11/9/99



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Kathleen Clarke  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

November 10, 1999

Inland Production Company  
410 Seventeenth Street, Suite 700  
Denver, Colorado 80202

Re: West Point Unit Well: Monument Fed. 43-6, Section 6, Township 9 South, Range 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Inland Production Company.
3. A casing/tubing pressure test shall be conducted prior to commencing injection.

If you have any questions regarding this approval or the necessary requirements, please contact Brad Hill or Gil Hunt at this office.

Sincerely,

John R. Baza  
Associate Director, Oil and Gas

lwp

cc: Dan Jackson, Environmental Protection Agency  
Bureau of Land Management, Vernal  
Inland Production Company, Myton





PRODUCTION COMPANY  
A Subsidiary of Inland Resources Inc.

November 23- 1999

State of Utah  
Division of Oil, Gas & Mining  
Attn: Brad Hill  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Dear Brad:

Please find enclosed an M.I.T. for the Monument Federal 43-6-9-16Y. I conducted this test on November 16, 1999. Dennis Ingram or Dave Hackford nether one could witness the test from your office.

We are waiting for your approval of this test, prior to starting injection on this well. Please review this as soon as possible and call me with your decision. I can be reached at our office in Pleasant Valley @ (435) 646-3721 or on my cellular @ (435) 823-6298.

Thanks for your assistance and prompt attention to this matter.

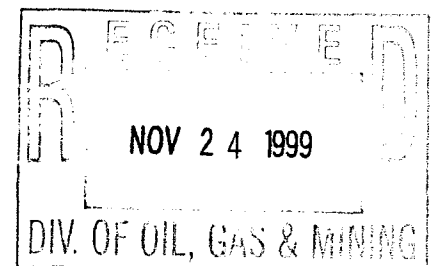
Sincerely,

Roddie Bird  
Production Foreman

Enclosures

cc: Mike Guinn, Brad Mecham, George Rooney, -Inland Resources  
Roosevelt & Denver Well Files

/rb



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> <b>UTU-74390</b>	
<b>2. NAME OF OPERATOR</b> <b>INLAND PRODUCTION COMPANY</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME</b>  <b>N/A</b>	
<b>3. ADDRESS OF OPERATOR</b> <b>Route 3, Box 3630, Myton Utah 84052</b> <b>(435-646-3721)</b>		<b>7. UNIT AGREEMENT NAME</b>  <b>WEST POINT (GR RVR)</b>	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>NE/SE 2214 FSL 0707 FEL</b>		<b>8. FARM OR LEASE NAME</b> <b>MONUMENT FEDERAL 43-6-9-16Y</b>	
<b>14 API NUMBER</b> <b>43-013-31644</b>		<b>9. WELL NO.</b>  	
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) <b>5837 GR</b>		<b>10. FIELD AND POOL, OR WILDCAT</b>  <b>MONUMENT BUTTE</b>	
<b>12. COUNTY OR PARISH</b> <b>DUCHESNE</b>		<b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> <b>NE/SE Section 6, T09S R16E</b>	
<b>13. STATE</b> <b>UT</b>			

<b>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</b>			
<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <u>MIT</u> <input type="checkbox"/>	
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

**17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS.** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

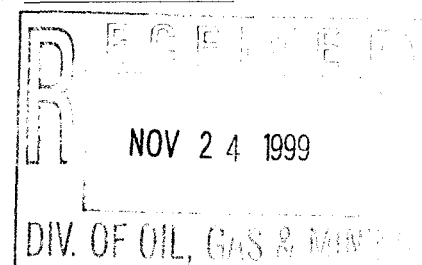
Inland production Company as operator of the above referenced well is submitting the results of an MIT conducted on 11-16-99 please review and approve ASAP, so we can inject this well. Thank You.

18 I hereby certify that the foregoing is true and correct  
SIGNED Roddie Bird TITLE Production Foreman DATE 11-16-99  
Roddie Bird

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\* See Instructions On Reverse Side



# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 11/16/99 Time 10:30 am pm  
Test Conducted by: Roy Liddell  
Others Present: \_\_\_\_\_

Well: <u>Nine Mile 13-6-9-16</u>	Field: <u>West Point Unit</u>
Well Location: <u>SW/ SW Sec. 6, T9S, R16E</u>	API No: <u>43-013-31954</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1380</u>	psig
5	<u>1380</u>	psig
10	<u>1380</u>	psig
15	<u>1385</u>	psig
20	<u>1390</u>	psig
25	<u>1390</u>	psig
30 min	<u>1395</u>	psig
35	<u>1395</u>	psig
40	<u>1395</u>	psig
45	<u>1400</u>	psig
50	<u>1400</u>	psig
55	<u>1400</u>	psig
60 min	<u>1400</u>	psig

Tubing pressure: 110 psig

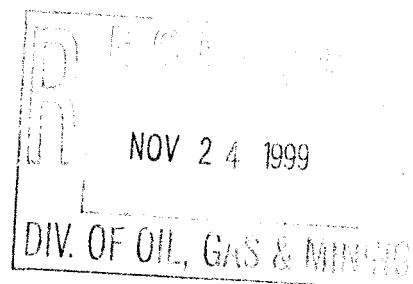
Result:

Pass

Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Roy Liddell





# DAILY WORKOVER REPORT

WELL NAME: Mon. Fed. 43-6-9-16Y

Report Date: 11-16-99

Completion Day: 04

Operation: MIT

Rig: LES #697

## WELL STATUS

Surf Csg: 8 5/8 @ 263' KB Prod Csg: 5 1/2 @ 5950' WT: 15.5# Csg PBDT: 5862'  
Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT @: 4206' BP/Sand PBDT: 5862'

## PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
	<u>4291-4298'</u>	<u>5 holes</u>		<u>5313-18', 42-60'</u>	<u>4/92</u>
	<u>4321-4325'</u>	<u>4 holes</u>		<u>5362-5369'</u>	<u>4/28</u>
	<u>4332-4339'</u>	<u>5 holes</u>		<u>5440-5448'</u>	<u>9 holes</u>
	<u>4394-4400'</u>	<u>4 holes</u>		<u>5503-5508'</u>	<u>9 holes</u>
	<u>4586-4597'</u>	<u>4/44</u>		<u>5558-5586'</u>	<u>4/112</u>

## CHRONOLOGICAL OPERATIONS

Date Work Performed: 16-Nov-99

SITP: 0 SICP: 0

ON 11-15-99 Dennis Ingram with the DOGM was contacted and a time was set up to perform the MIT. On 11-16-99 the csg was pressured up to 1380 psi with hot oil truck and charted for 1 hr with no witness in attendance during the test. The pressure grew to 1400 psi, a total of 20 psi ,because of tempature expansion. Bled pressure off and submitted chart.

## FLUID RECOVERY (BBLs)

Starting fluid load to be recovered: \_\_\_\_\_ Starting oil rec to date: 0  
Fluid lost/recovered today: 305 BW Oil lost/recovered today: \_\_\_\_\_  
Ending fluid to be recovered: \_\_\_\_\_ Cum oil recovered: 0  
IFL: \_\_\_\_\_ FFL: \_\_\_\_\_ FTP: \_\_\_\_\_ Choke: \_\_\_\_\_ Final Fluid Rate: \_\_\_\_\_ Final oil cut: \_\_\_\_\_

## TUBING DETAIL

## ROD DETAIL

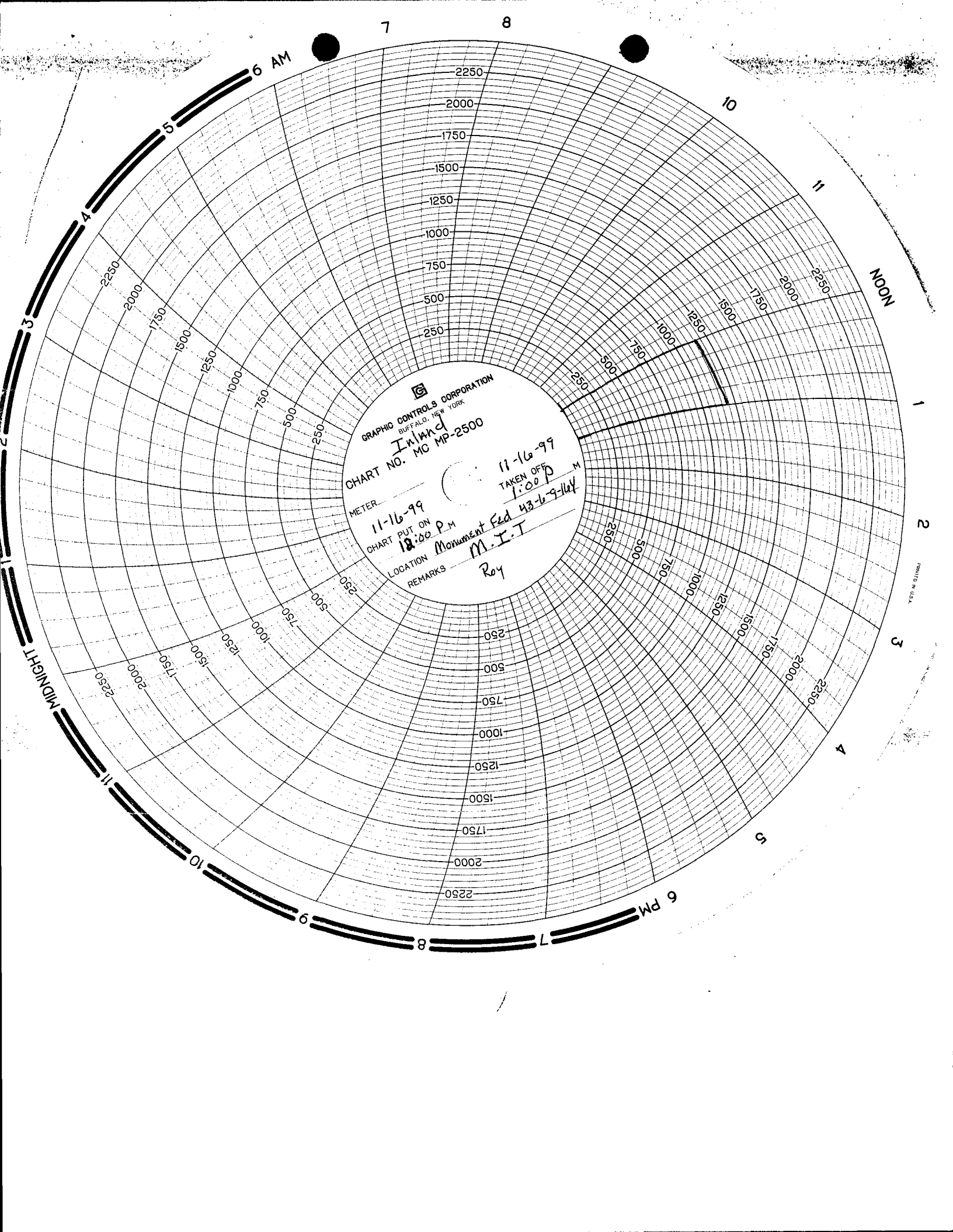
## COSTS

KB	<u>10.00'</u>	N/A	Injector		
134	JTS TBG	<u>4188.28</u>			
1	SN (1.10) W/ KB	<u>4198.28</u>			
1	PKR ( 7' ) W/ KB	<u>4199.38</u>			
EOT		<u>4206.38</u>			

DAILY COST: \_\_\_\_\_

Workover Supervisor: Rod Bird

TOTAL WELL COST: \$11,593



STATE OF UTAH  
DIVISION OF OIL GAS AND MINING

## INJECTION WELL - PRESSURE TEST

Well Name: NEWFIELD 43-64-9-16 API Number: 43-013-31644  
 Qtr/Qtr: NE/SE Section: 6 Township: 9S Range: 16E 506  
 Company Name: NEWFIELD

Lease: State UT Fee 0 Federal UFLU-74390 Indian           
 Inspector: [Signature] Date: 10-28-04

## Initial Conditions:

Tubing - Rate: Injecting @ 20.3 BPP Pressure: 1420 psi  
 Casing/Tubing Annulus - Pressure: 1040 psi

## Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1040</u>	<u>1420</u>
5	<u>1040</u>	<u>1420</u>
10	<u>1040</u>	<u>1420</u>
15	<u>1040</u>	<u>1420</u>
20	<u>1040</u>	<u>1420</u>
25	<u>1040</u>	<u>1420</u>
30	<u>1040</u>	<u>1420</u>

Results: Pass Fail

## Conditions After Test:

Tubing Pressure: 1420 psi

Casing/Tubing Annulus Pressure: 1040 psi

COMMENTS: Tested for 5 year rule rec'd of Benton OK  
10:00 AM

[Signature]  
 Operator Representative



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Kathleen Clarke  
Executive Director

Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-244

Operator: Inland Production Company  
Well: Monument Federal 43-6  
Location: Section 6 , Township 9 South, Range 16 East  
County: Duchesne  
API No.: 43-013-31644  
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on November 9, 1999.
2. Maximum Allowable Injection Pressure: 1966 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (4291 feet - 5586 feet)

Approved by:

John R. Baza  
Associate Director, Oil and Gas

12/2/99

Date

May 5, 1987

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		<b>5. LEASE DESIGNATION AND SERIAL NO.</b> <b>UTU-74390</b>	
<b>2. NAME OF OPERATOR</b> <b>INLAND PRODUCTION COMPANY</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBAL NAME</b>  <b>N/A</b>	
<b>3. ADDRESS OF OPERATOR</b> <b>Route 3, Box 3630, Myton Utah 84052</b> <b>(435-646-3721)</b>		<b>7. UNIT AGREEMENT NAME</b>  <b>WEST POINT (GR RVR)</b>	
<b>4. LOCATION OF WELL</b> (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>NE/SE 2214 FSL 0707 FEL</b>		<b>8. FARM OR LEASE NAME</b> <b>MONUMENT FEDERAL 43-6-9-16Y</b>	
<b>14 API NUMBER</b> <b>43-013-31644</b>		<b>9. WELL NO.</b> <b>MONUMENT FEDERAL 43-6-9-16Y</b>	
<b>15. ELEVATIONS</b> (Show whether DF, RT, GR, etc.) <b>5837 GR</b>		<b>10. FIELD AND POOL, OR WILDCAT</b>  <b>MONUMENT BUTTE</b>	
<b>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</b>		<b>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA</b> <b>NE/SE Section 6, T09S R16E</b>	
<b>12. COUNTY OR PARISH</b> <b>DUCHESNE</b>		<b>13. STATE</b> <b>UT</b>	

<b>16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data</b>			
<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <u>Injection Conversion</u>	<input checked="" type="checkbox"/>
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

**17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS.** (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The subject well was converted from a production to an injection well on 11/17/99. The rods and tubing anchor were removed and a packer was inserted in the bottom hole assembly.

RECEIVED

DEC 10 1999

DIVISION OF OIL, GAS & MINING

**18 I hereby certify that the foregoing is true and correct**

SIGNED <u>[Signature]</u>	TITLE <u>District Engineer</u>	DATE <u>12/9/99</u>	
---------------------------	--------------------------------	---------------------	--

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:



May 5, 1987

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

1. <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. <b>UTU-74390</b>	
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME  <b>N/A</b>	
3. ADDRESS OF OPERATOR <b>Route 3, Box 3630, Myton Utah 84052 (435-646-3721)</b>		7. UNIT AGREEMENT NAME  <b>WEST POINT (GR RVR)</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <b>NE/SE 2214 FSL 0707 FEL</b>		8. FARM OR LEASE NAME <b>MONUMENT FEDERAL 43-6-9-16Y</b>	
14 API NUMBER <b>43-013-31644</b>		9. WELL NO. <b>MONUMENT FEDERAL 43-6-9-16Y</b>	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>5837 GR</b>		10. FIELD AND POOL, OR WILDCAT  <b>MONUMENT BUTTE</b>	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>NE/SE Section 6, T09S R16E</b>	
		12. COUNTY OR PARISH <b>DUCHESNE</b>	13. STATE <b>UT</b>

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <u>First report of Injection</u>	<input checked="" type="checkbox"/>
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

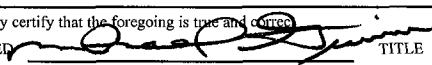
The subject well was placed on water injection on 12/3/99.

RECEIVED

DEC 10 1999

DIVISION OF OIL, GAS & MINING

18 I hereby certify that the foregoing is true and correct.

SIGNED 	TITLE <u>District Engineer</u>	DATE <u>12/9/99</u>
--	--------------------------------	---------------------

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

(June 1990)

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.  
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

UTU-74390

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

WEST POINT (GR RVR)

8. Well Name and No.

MONUMENT FEDERAL 43-6-9-16Y

9. API Well No.

43-013-31644

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UTAH

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil  
WellGas  
Well

Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

Route 3, Box 3630, Myton Utah 84052 (435-646-3721)

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

2214 FSL 0707 FEL

NE/SE Section 6, T09S R16E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**TYPE OF SUBMISSION**

Notice of Intent



Subsequent Report



Final Abandonment Notice

**TYPE OF ACTION**

Abandonment



Recompletion



Plugging Back



Casing Repair



Altering Casing



Other



Change of Plans



New Construction



Non-Routine Fracturing



Water Shut-Off



Conversion to Injection



Dispose Water

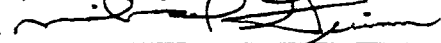
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The subject well was converted from a production to an injection well on 11/17/1999. The rods and tubing anchor were removed and a packer was inserted in the bottom hole assembly.

14. I hereby certify that the foregoing is true and correct

Signed



Title

District Engineer

Date

12/9/99

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

UTU-74390  
2-29-00  
RDR



## Injection Conversion Report

**MONUMENT FEDERAL 43-6-9-16Y**

NE/SE Section 6, T09S R16E

DUCHESNE Co., Utah

API # 43-013-31644

Spud Date: 6/27/96

POP: 8/6/96

TD: 5950'

WO Rig:

### **11/15/99 – Completion Day 1**

**Date Work Performed 11/13/99**

**MIRU LESS #697.** PUMP 100 BW DWN CSG @ 250 DEG F. UNSEAT PUMP & FLUSH TBG W/50 BW @ 250 DEG F. RESEAT PUMP STACK RODS, FILL TBG W/15 BW & PRESSURE TEST TBG TO 3500 PSI. UNSEAT PUMP, POOH & LD RODS. ND WELLHEAD & RELEASE AC. NU BOP & POOH W/TBG, (LD AC, PERF SUB & SN). TIH W/4-3/4" BIT, 5-1/2" SCRAPER, 180 JTS TBG TO 5630'. SDFN.

DC: \$ 2,400

CC: \$ 2,400

### **11/16/99 – Completion Day 2**

**Date Work Performed 11/15/99**

POOH W/134 JTS TBG STRAPPING, BREAKING & APPLYING LIQUID-O-RING TO ALL PIN ENDS. LD ON TRAILER 46 JTS TBG W/BIT & SCRAPER. TIH W/ARROW SET 1 PKR, SN, 134 JTS TBG TIGHTENING ALL CONNECTIONS. SWIFN.

DC: \$ 1,730

CC: \$ 4,130

### **11/17/99 – Completion Day 3**

**Date Work Performed 11/16/99**

BLOW WELL DOWN AND ND BOP. NU WELLHEAD AND PUMP 60 BW FLUSH LOAD DOWN CSG. PUMP 40 BW W/15 GALS PKR FLUID AND 5 GALS BIOCID. SET PKR @ 4199.38 IN 16,000# TENSION. FILL AND TEST CSG W/40 BW W/PKR FLUID AND BIOCID TO 1150 PSI FOR 30 MIN W/NO LEAK OFF. **RDMO SU. READY FOR MIT.**

DC: \$ 7,900

CC: \$12,030

### **11/18/99 – Completion Day 3**

**Date Work Performed 11/17/99**

ON 11/15/99 DENNIS INGRAM WITH THE DOGM WAS CONTACTED AND A TIME WAS SET UP TO PERFORM THE MIT. ON 11/16/99 THE CSG WAS PRESSURED UP TO 1380 PSI WITH HOT OIL TRUCK AND CHARTED FOR 1 HR WITH NO WITNESS IN ATTENDANCE DURING THE TEST. THE PRESSURE GREW TO 1400 PSI, A TOTAL OF 20 PSI, DUE TO TEMPERATURE EXPANSION. BLED PRESSURE OFF AND SUBMITTED CHART.

**\*\*\*FINAL REPORT\*\*\***



October 19, 2000

State of Utah  
Division of Oil, Gas & Mining  
Attn: Dan Jarvis  
1594 West North Temple - Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

RE: Step-Rate Test  
Monument Fed 43-6-9-16  
Unit: Westpoint  
Sec 6, T9S, R16E  
API: 43-013-31644

Dear Dan:

Find enclosed the Step-Rate Test (SRT) results for the subject well that was conducted on October 12, 2000. Attached are the SRT graph and a copy of the test chart.

Inland is requesting that the Maximum Allowable Injection pressure be adjusted from 1966 psi to 1290 psi due to the results of the test. If you have any questions or require further information you may contact me at (435) 646-3721.

Sincerely,

Michael Guinn  
District Engineer

cc: Roosevelt files  
Denver files

## STATE OF UTAH

## DIVISION OF OIL, GAS, AND MINING

1. **SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.

Use "APPLICATION FOR PERMIT TO DRILL OR DEEPEN" form for such proposals.

OIL  
WELL ☒ GAS  
WELL ☐ OTHER ☐2. NAME OF OPERATOR  
**INLAND PRODUCTION COMPANY**3. ADDRESS AND TELEPHONE NUMBER  
**Rt. 3 Box 3630, Myton Utah 84052**  
**435-646-3721**4. LOCATION OF WELL  
  
Footages **2214 FSL 0707 FEL**  
  
QQ, SEC, T, R, M: **NE/SE**

5. LEASE DESIGNATION AND SERIAL NO.

**UTU-74390**

6. IF INDIAN, ALLOTTEE OR TRIBAL NAME

**N/A**

7. UNIT AGREEMENT NAME

**WEST POINT (GR RVR)**

8. WELL NAME and NUMBER

**MONUMENT FEDERAL 43-6-9-16**

9. API NUMBER

**43-013-31644**

10. FIELD AND POOL, OR WILDCAT

**MONUMENT BUTTE**COUNTY **DUCHESNE**STATE **UTAH**

## 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

## NOTICE OF INTENT:

(Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> ABANDON                   | <input type="checkbox"/> NEW CONSTRUCTION     |
| <input type="checkbox"/> REPAIR CASING             | <input type="checkbox"/> PULL OR ALTER CASING |
| <input type="checkbox"/> CHANGE OF PLANS           | <input type="checkbox"/> RECOMPLETE           |
| <input type="checkbox"/> CONVERT TO INJECTION      | <input type="checkbox"/> REPERFORATE          |
| <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE | <input type="checkbox"/> VENT OR FLARE        |
| <input type="checkbox"/> MULTIPLE COMPLETION       | <input type="checkbox"/> WATER SHUT OFF       |
| <input type="checkbox"/> OTHER _____               |   |

## SUBSEQUENT REPORT OF:

(Submit Original Form Only)

- |   |   |
|---|---|
| <input type="checkbox"/> ABANDON*                               | <input type="checkbox"/> NEW CONSTRUCTION     |
| <input type="checkbox"/> REPAIR CASING                          | <input type="checkbox"/> PULL OR ALTER CASING |
| <input type="checkbox"/> CHANGE OF PLANS                        | <input type="checkbox"/> RECOMPLETE           |
| <input type="checkbox"/> CONVERT TO INJECTION                   | <input type="checkbox"/> REPERFORATE          |
| <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE              | <input type="checkbox"/> VENT OR FLARE        |
| <input checked="" type="checkbox"/> OTHER <b>Step Rate Test</b> |   |

DATE WORK COMPLETED \_\_\_\_\_

Report results of Multiple Completion and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\*Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.)

A step rate test was conducted on the subject well on October 12, 2000. Results indicate that the formation fracture gradient is .736 psi/ft. Therefore, Inland is requesting that the MAIP be changed to 1290 psi. (fr. 1966)

13.

NAME & SIGNATURE: Michael Guinn

TITLE

District Engineer

DATE

10/19/00

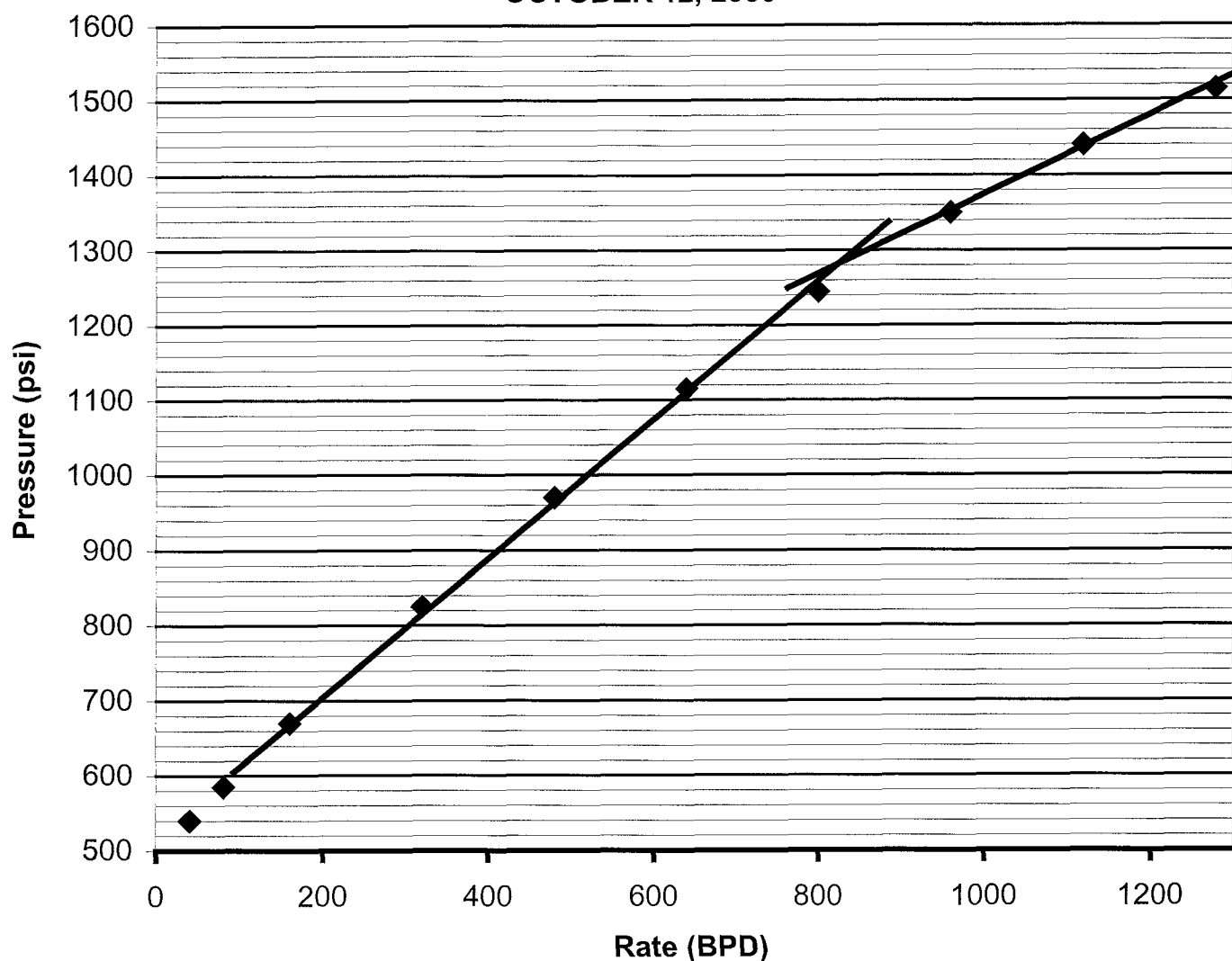
(This space for State use only)

4/94

Approved by the  
Utah Division of  
Oil, Gas and MiningDate: 10/30/00By: [Signature]

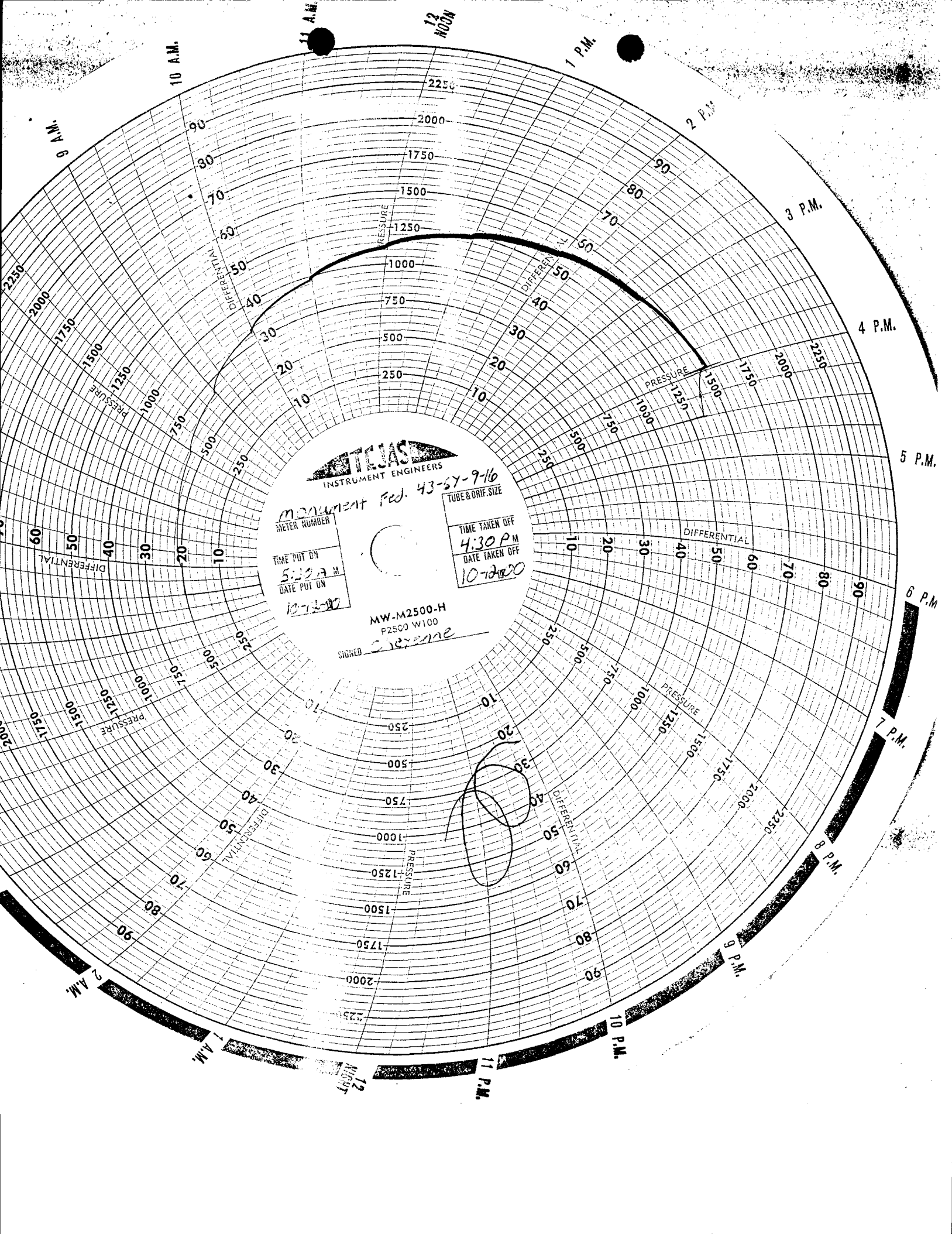
\* See Instructions On Reverse Side

**MONUMENT FEDERAL 43-6Y-9-1**  
**WEST POINT UNIT**  
**Step Rate Test**  
**OCTOBER 12, 2000**



**Start Pressure:** 500 psi  
**ISIP:** 1485 psi  
**Fracture pressure:** 1290 psi  
**Top Perforation:** 4291 feet  
**FG:** 0.736 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	40	540
2	80	585
3	160	670
4	320	825
5	480	970
6	640	1115
7	800	1245
8	960	1350
9	1120	1440
10	1280	1515



INSTRUMENT ENGINEERS

METER NUMBER  
TIME PUT ON  
DATE PUT ON  
TIME TAKEN OFF  
DATE TAKEN OFF  
TUBE & ORIF. SIZE

5:30 A.M.  
10-12-20

4:30 P.M.  
10-12-20

MW-M2500-H  
P2500 W100

SIGNED C. J. ...

STATE OF UTAH

## DIVISION OF OIL, GAS, AND MINING

1. <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NO. <b>UTU-74390</b>
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use "APPLICATION FOR PERMIT TO DRILL OR DEEPEN" form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME <b>N/A</b>
OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> <b>Injection Well</b>		7. UNIT AGREEMENT NAME <b>WEST POINT (GR RVR)</b>
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		8. WELL NAME and NUMBER <b>MON FED 43-6-9-16Y</b>
3. ADDRESS AND TELEPHONE NUMBER <b>Rt. 3 Box 3630, Myton Utah 84052</b> <b>435-646-3721</b>		9. API NUMBER <b>43-013-31644</b>
4. LOCATION OF WELL  Footages <b>2214 FSL 707 FEL</b>  QQ, SEC, T, R, M: <b>NE/SE Section 6, T9S R16E</b>		10. FIELD AND POOL, OR WILDCAT <b>MONUMENT BUTTE</b>
		COUNTY <b>DUCHESNE</b> STATE <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA	
NOTICE OF INTENT: (Submit in Duplicate) <input type="checkbox"/> ABANDON <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> REPAIR CASING <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/> RECOMPLETE <input type="checkbox"/> CONVERT TO INJECTION <input type="checkbox"/> REPERFORATE <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> WATER SHUT OFF <input checked="" type="checkbox"/> OTHER <u>Step Rate Test</u>	SUBSEQUENT REPORT OF: (Submit Original Form Only) <input type="checkbox"/> ABANDON* <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> REPAIR CASING <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/> RECOMPLETE <input type="checkbox"/> CONVERT TO INJECTION <input type="checkbox"/> REPERFORATE <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> OTHER _____ DATE WORK COMPLETED _____ Report results of Multiple Completion and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form. *Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.

Inland is requesting permission to conduct a step rate test on the subject well to determine the fracture gradient.

13. NAME & SIGNATURE: Michael Guinn TITLE Vice President of Operations DATE 8/7/2003  
 (This space for State use only)

\* See Instructions On The Reverse  
**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY**

**RECEIVED**  
**AUG 11 2003**  
 DIV. OF OIL, GAS & MINING



## STATE OF UTAH

## DIVISION OF OIL, GAS, AND MINING

1. <b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NO. <b>UTU-74390</b>
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use "APPLICATION FOR PERMIT TO DRILL OR DEEPEN" form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME <b>N/A</b>
OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> <b>Injection Well</b>		7. UNIT AGREEMENT NAME <b>WEST POINT (GR RVR)</b>
2. NAME OF OPERATOR <b>INLAND PRODUCTION COMPANY</b>		8. WELL NAME and NUMBER <b>MON FED 43-6-9-16Y</b>
3. ADDRESS AND TELEPHONE NUMBER <b>Rt. 3 Box 3630, Myton Utah 84052</b> <b>435-646-3721</b>		9. API NUMBER <b>43-013-31644</b>
4. LOCATION OF WELL  Footages <b>2214 FSL 707 FEL</b>  QQ, SEC, T, R, M: <b>NE/SE Section 6, T9S R16E</b>		10. FIELD AND POOL, OR WILDCAT <b>MONUMENT BUTTE</b>
		COUNTY <b>DUCHESNE</b> STATE <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA	
NOTICE OF INTENT: (Submit in Duplicate) <input type="checkbox"/> ABANDON <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> REPAIR CASING <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/> RECOMPLETE <input type="checkbox"/> CONVERT TO INJECTION <input type="checkbox"/> REPERFORATE <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/> WATER SHUT OFF <input type="checkbox"/> OTHER _____	SUBSEQUENT REPORT OF: (Submit Original Form Only) <input type="checkbox"/> ABANDON* <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> REPAIR CASING <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> CHANGE OF PLANS <input type="checkbox"/> RECOMPLETE <input type="checkbox"/> CONVERT TO INJECTION <input type="checkbox"/> REPERFORATE <input type="checkbox"/> FRACTURE TREAT OR ACIDIZE <input type="checkbox"/> VENT OR FLARE <input checked="" type="checkbox"/> OTHER <b>Step Rate Test</b> DATE WORK COMPLETED _____ Report results of Multiple Completion and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form. *Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depth for all markers and zones pertinent to this work.)

A step rate test was conducted on the subject well on 8/26/03. Results from the test indicate that the fracture gradient is .782 psi/ft. Therefore, Inland is requesting that the maximum allowable injection pressure (MAIP) be changed to 1490 psi.

13. NAME & SIGNATURE: Michael Guinn TITLE Vice President of Operations DATE 9/3/2003

(This space for State use only)

4/94

\* See Instructions On Reverse Side

COPY SENT TO OPERATOR  
Date: 09-09-03  
Initials: CHD

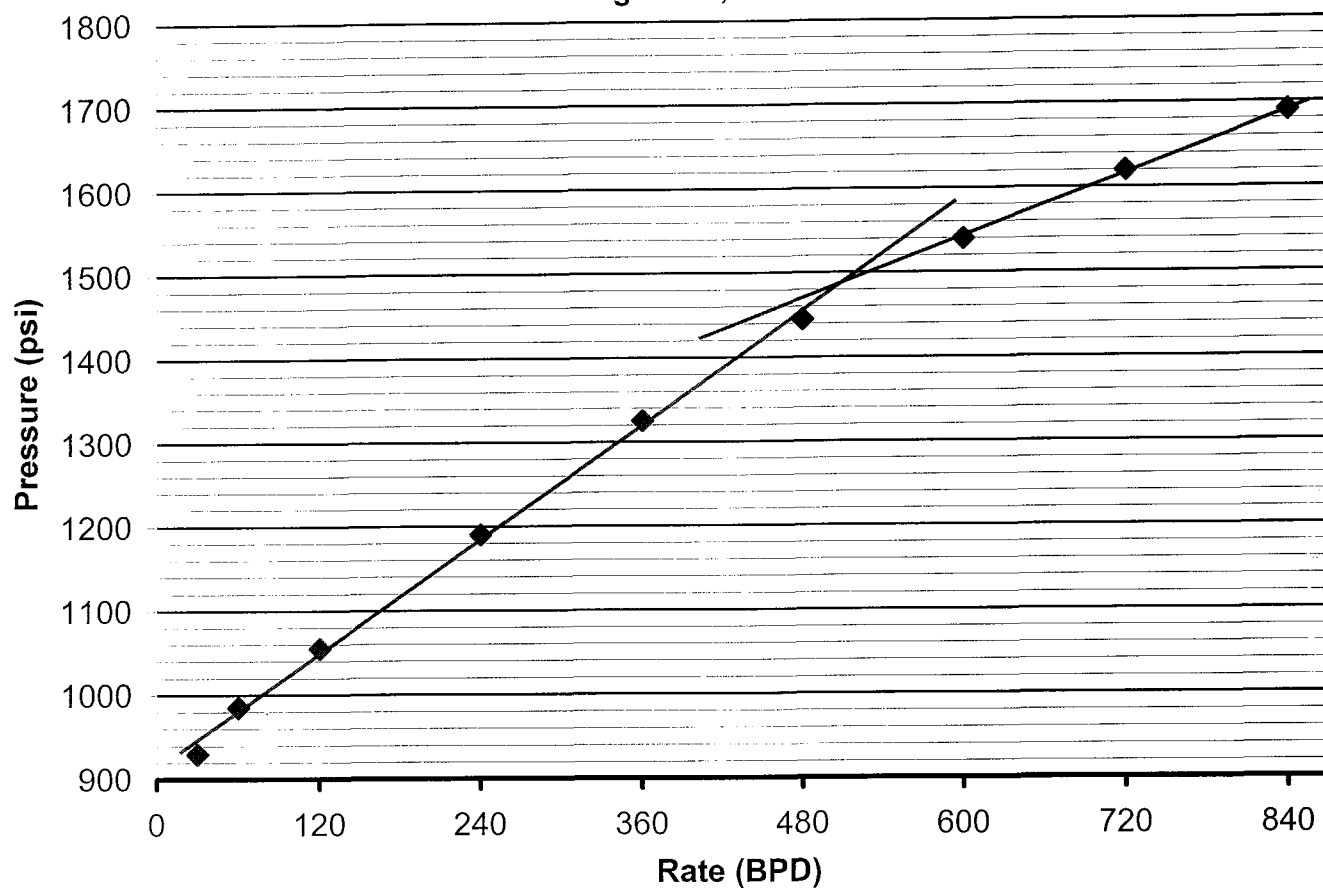
Approved by the  
Utah Division of  
Oil, Gas and Mining  
Date: 09-08-03  
By: [Signature]

RECEIVED

SEP 04 2003

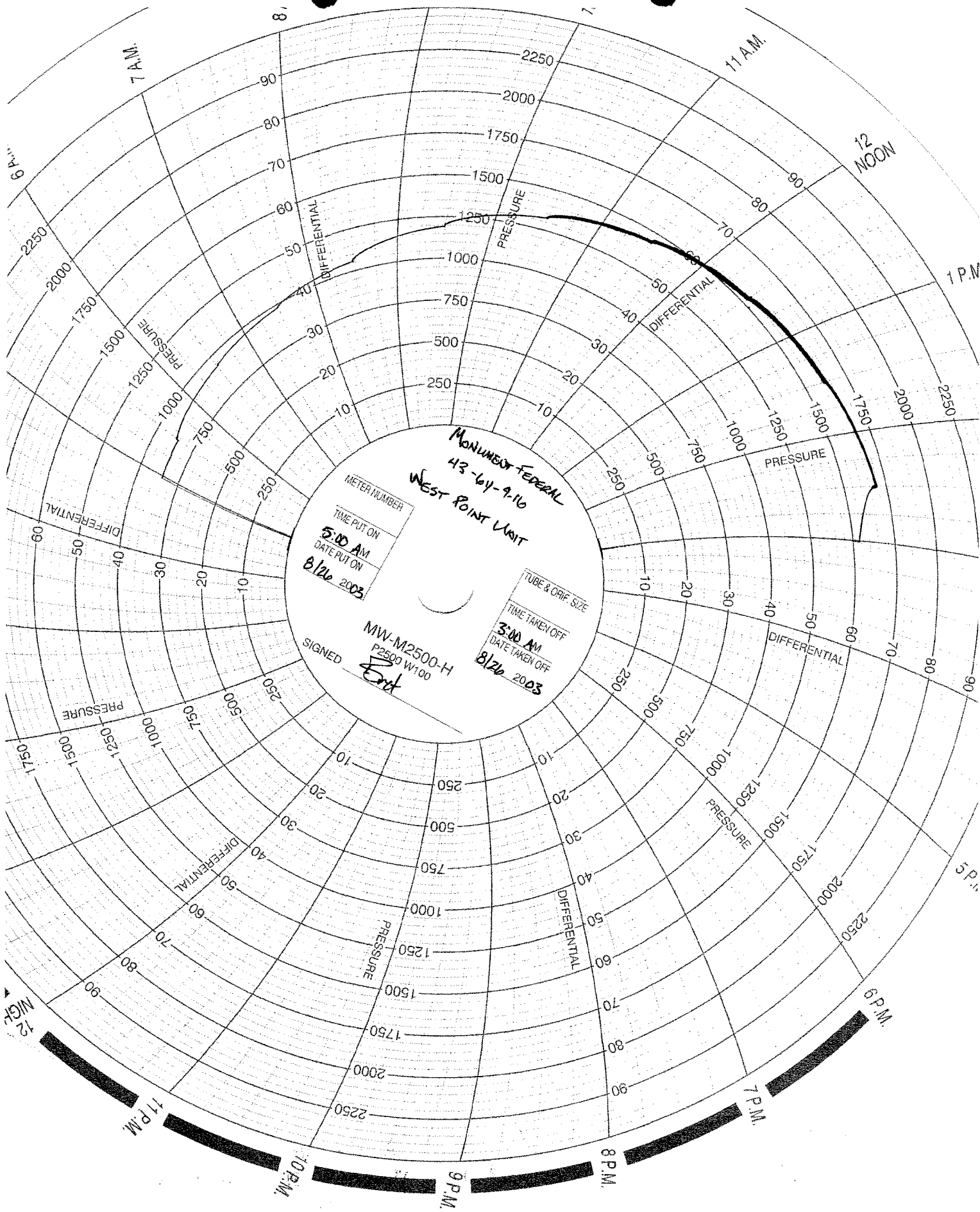
DIV. OF OIL, GAS & MINING

**Monument Federal 43-6-9-16  
West Point Unit  
Step Rate Test  
August 26, 2003**



**Start Pressure:** 855 psi  
**Instantaneous Shut In Pressure (ISIP):** 1675 psi  
**Top Perforation:** 4291 feet  
**Fracture pressure (Pfp):** 1490 psi  
**FG:** 0.782 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	30	930
2	60	985
3	120	1055
4	240	1190
5	360	1325
6	480	1445
7	600	1540
8	720	1620
9	840	1690





# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>



IN REPLY REFER TO:  
3106  
(UT-924)

September 16, 2004

### Memorandum

To: Vernal Field Office  
From: Acting Chief, Branch of Fluid Minerals  
Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard  
Acting Chief, Branch of  
Fluid Minerals

### Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare



## Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company  
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT  
TO THE  
ARTICLES OF INCORPORATION  
OF  
INLAND PRODUCTION COMPANY

FILED  
In the Office of the  
Secretary of State of Texas  
SEP 02 2004  
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1<sup>st</sup> day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs  
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

## TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

## CURRENT OPERATOR

Company: Inland Production Company  
Address: 1401 17th Street Suite 1000  
city Denver state Co zip 80202  
Phone: (303) 893-0102  
Comments:

Name: Brian Harris  
Signature: *Brian Harris*  
Title: Engineering Tech.  
Date: 9/15/2004

## NEW OPERATOR

Company: Newfield Production Company  
Address: 1401 17th Street Suite 1000  
city Denver state Co zip 80202  
Phone:  
Comments:

Name: Brian Harris  
Signature: *Brian Harris*  
Title: Engineering Tech.  
Date: 9/15/2004

(This space for State use only)

Transfer approved by: *A. A. Hunt*Title: *Perk. Services Manager*Approval Date: *9-20-04*

Comments:

*Note: Indian Country wells will require EPA approval.*

(5/2003)

RECEIVED  
SEP 20 2004

DIV. OF OIL, GAS &amp; MINING



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Injection well		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU74390
2. NAME OF OPERATOR: Newfield Production Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: WEST POINT UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2214 FSL 0707 FEL		8. WELL NAME and NUMBER: MON FED 43-6X-9-16Y
PHONE NUMBER 435.646.3721		9. API NUMBER: 4301331644
10. FIELD AND POOL, OR WILDCAT: Monument Butte		
QTR/QTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: NE/SE, 6, T9S, R16E		COUNTY: Duchesne
		STATE: Utah

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will  _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  11/01/2004	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - 5 Year MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A Five year MIT was conducted on the subject well. On 10/27/04 Mr. Dennis Ingram w/State DOGM was notified of the intent to conduct a MIT on the casing. On 10/28/04 the casing was pressured to 1040 psi w/ no pressure loss charted in the 1/2 hour test. Dennis Ingram was there to witness the test.

Accepted by the  
Utah  
Oil, Gas and Mining  
Date: 11-03-04  
By: *[Signature]*

COPY SENT TO OPERATOR  
Date: 11-4-04  
Initials: *[Signature]*

NAME (PLEASE) <u>Krishna Russell</u>	TITLE <u>Production Clerk</u>
SIGNATURE <i>Krishna Russell</i>	DATE <u>November 01, 2004</u>

(This space for State use only)

**RECEIVED**  
**NOV 03 2004**  
DIV. OF OIL, GAS & MINING

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: [Signature] Date 10/28/04 Time 10:00 am pm  
Test Conducted by: BRET HENRIE  
Others Present: \_\_\_\_\_

Well: MONUMENT FEDERAL 43-64-9-16

Field: WEST POINT UNIT

Well Location: NE 1/4 SEC. 6, T9S, R16E

API No: 43-013-31644

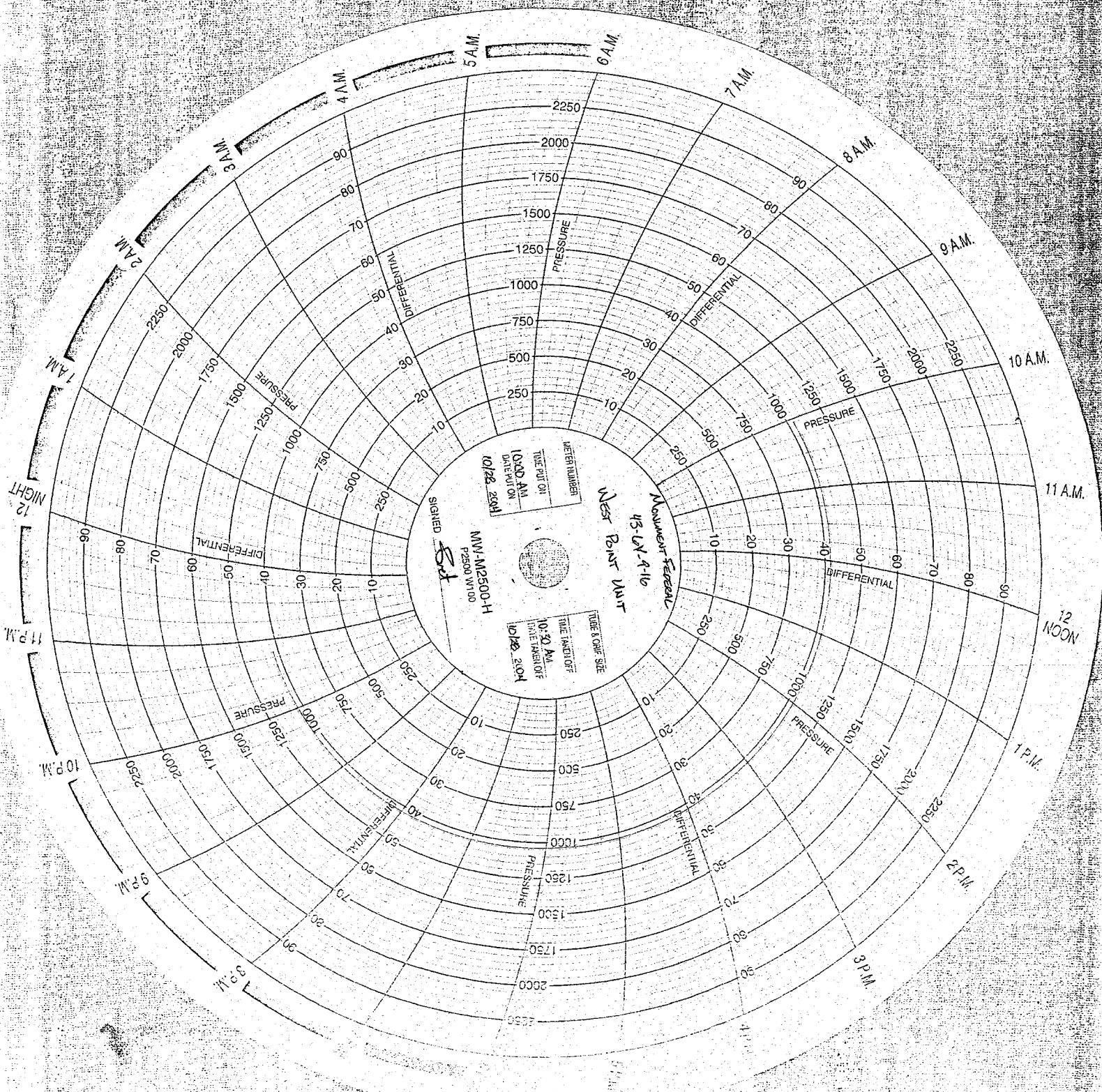
<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1040</u>	psig
5	<u>1040</u>	psig
10	<u>1040</u>	psig
15	<u>1040</u>	psig
20	<u>1040</u>	psig
25	<u>1040</u>	psig
30 min	<u>1040</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1420 psig

Result: Pass Fail

Signature of Witness: [Signature]

Signature of Person Conducting Test: Bret Henrie



## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change****Merger**

The operator of the well(s) listed below has changed, effective:

**9/1/2004****FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**TO: ( New Operator):**

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

**CA No.****Unit:****WEST POINT (GREEN RIVER)****WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MON FED 34-31-8-16	31	080S	160E	4301331715	12418	Federal	WI	A
WEST POINT U 13-5-9-16	05	090S	160E	4301331766	12418	Federal	OW	P
MON FED 32-6-9-16Y	06	090S	160E	4301331300	12418	Federal	WI	A
MON FED 33-6-9-16Y	06	090S	160E	4301331589	12418	Federal	OW	S
MON FED 43-6-9-16Y	06	090S	160E	4301331644	12418	Federal	WI	A
MON FED 42-6-9-16Y	06	090S	160E	4301331645	12418	Federal	OW	P
MON FED 31-6-9-16Y	06	090S	160E	4301331717	12418	Federal	OW	P
MON FED 41-6-9-16Y	06	090S	160E	4301331718	12418	Federal	WI	A
NINE MILE 6-6	06	090S	160E	4301331719	12418	Federal	OW	P
MON FED 44-6-9-16Y	06	090S	160E	4301331720	12418	Federal	OW	P
WEST POINT U 12-6-9-16	06	090S	160E	4301331765	12418	Federal	OW	P
NINE MILE 11-6	06	090S	160E	4301331812	12418	Federal	WI	A
MON FED 23-7-9-16Y	07	090S	160E	4301331694	12418	Federal	WI	A
NINE MILE 10-7	07	090S	160E	4301331773	12418	Federal	OW	P
NINE MILE 6-7	07	090S	160E	4301331776	12418	Federal	OW	P
NINE MILE 5-7	07	090S	160E	4301331777	12418	Federal	WI	A
NINE MILE 7-7	07	090S	160E	4301331778	12418	Federal	WI	A
NINE MILE 15-7	07	090S	160E	4301331803	12418	Federal	WI	A
NINE MILE 16-7-9-16	07	090S	160E	4301331804	12418	Federal	OW	P
MON FED 41-18-9-16Y	18	090S	160E	4301331646	12418	Federal	WI	A
MON FED 42-18-9-16Y	18	090S	160E	4301331724	12418	Federal	OW	S
MON BUTTE FED 31-18-9-16Y	18	090S	160E	4301331725	12418	Federal	OW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE  
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: UT 0056

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 61BSBDH2912

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a\*  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL:      OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> Injection well		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU74390
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630      CITY Myton      STATE UT      ZIP 84052		7. UNIT or CA AGREEMENT NAME: WEST POINT UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2214 FSL 0707 FEL		8. WELL NAME and NUMBER: MON FED 43-6Y-9-16
5. PHONE NUMBER: 435.646.3721		9. API NUMBER: 4301331644
6. FIELD AND POOL, OR WILDCAT: Monument Butte		10. FIELD AND POOL, OR WILDCAT: Monument Butte
7. COUNTY: Duchesne		8. STATE: Utah

**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION	TYPE OF ACTION	TYPE OF ACTION
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - Step Rate Test
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion: 03/06/2006			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A step rate test was conducted on the subject well on February 13, 2006. Results from the test indicate that the fracture gradient is .837 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed to 1725 psi.

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

Date: 03-21-06  
By: *[Signature]*

NAME (PLEASE PRINT) Cheyenne Batemen

TITLE Well Analyst Foreman

SIGNATURE

*[Signature]*

DATE 03/06/2006

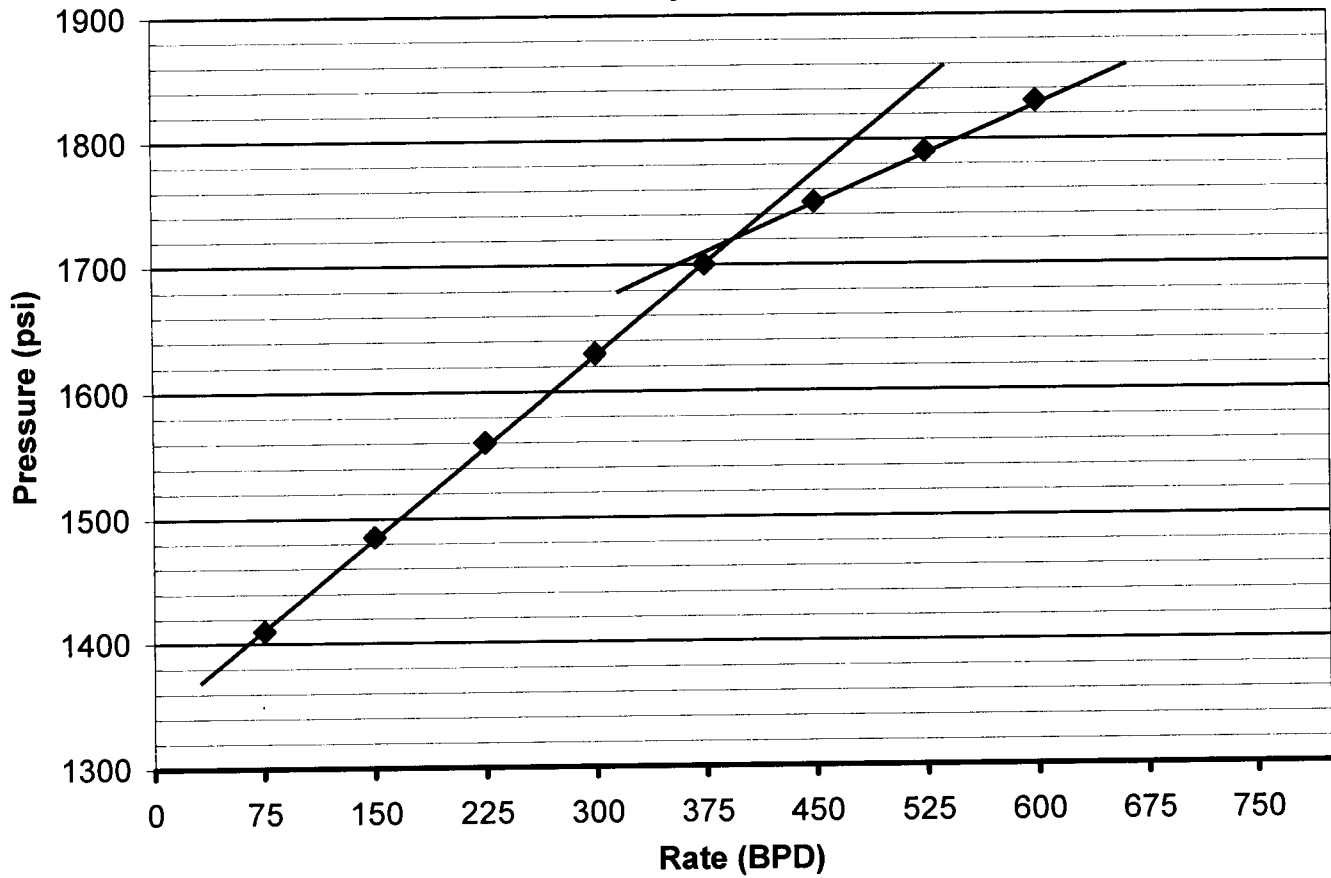
(This space for State use only)

RECEIVED

MAR 09 2006

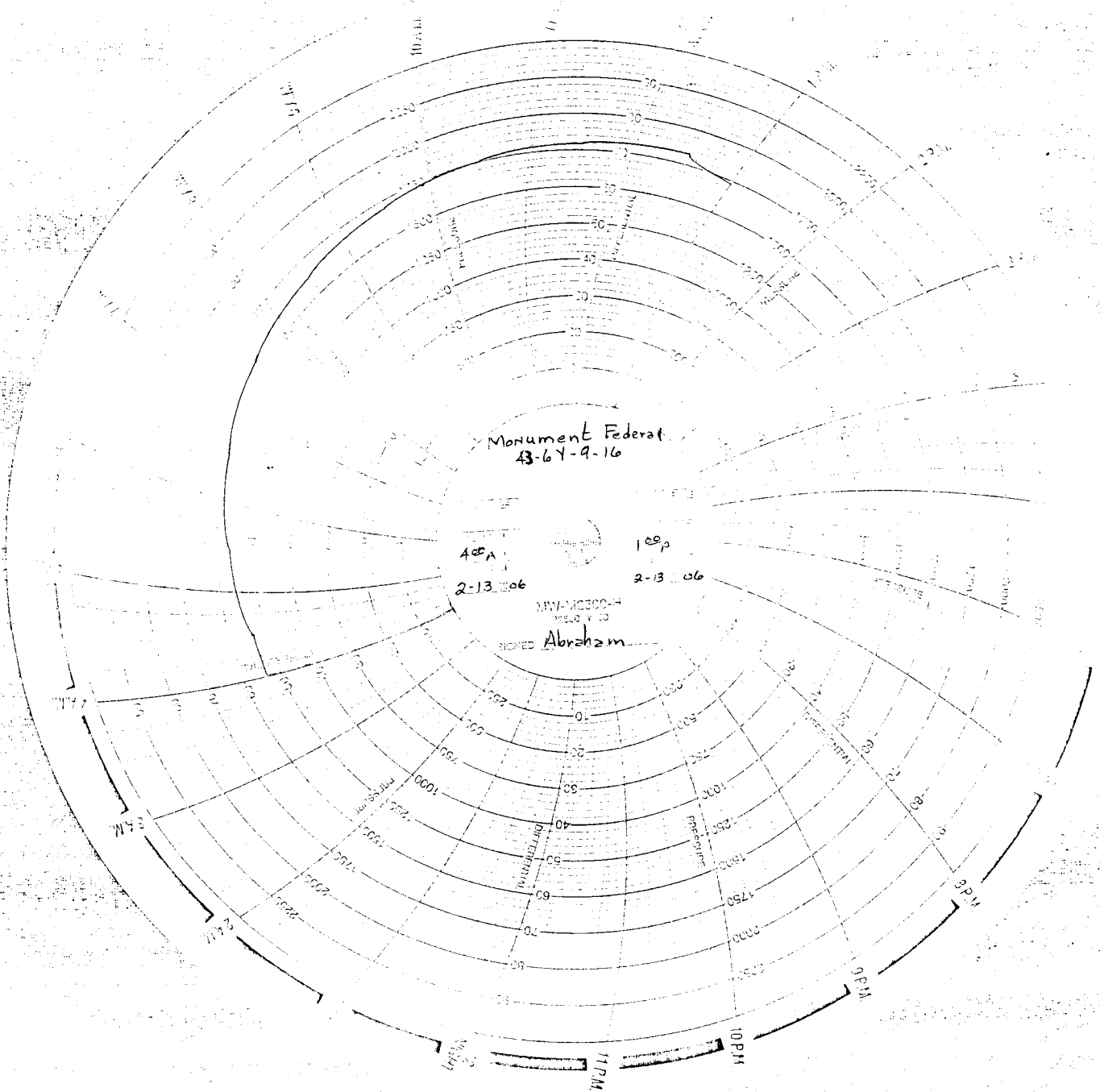
DIV. OF OIL, GAS & MINING

**Monument Federal 43-6Y-9-16**  
**West Point Unit**  
**Step Rate Test**  
**February 13, 2006**



**Start Pressure:** 1340 psi  
**Instantaneous Shut In Pressure (ISIP):** 1810 psi  
**Top Perforation:** 4291 feet  
**Fracture pressure (Pfp):** 1725 psi  
**FG:** 0.837 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	75	1410
2	150	1485
3	225	1560
4	300	1630
5	375	1700
6	450	1750
7	525	1790
8	600	1830





**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:  
USA UTU-74390

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>UT</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: WEST POINT UNIT
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		8. WELL NAME and NUMBER: MON FED 43-6Y-9-16Y
PHONE NUMBER 435.646.3721		9. API NUMBER: 4301331644
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 2214 FSL 707 FEL		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
OTR/OTR SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE, 6, T9S, R16E		COUNTY: DUCHESNE
		STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of Work Completion:  11/21/2006	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Recompletion/MIT
	<input type="checkbox"/> CONVERT WELL TYPE	<input checked="" type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well was re-completed in the Green River Formation. Three new intervals were perforated, the CP2 sds @ 5800'-5820' & CP.5 sds @ 5740'-5746', and A.5 sds @ 5226'-5236', all w/4 JSPF for a total of 144 shots. Packer was set @ 4239' On 11-13-06 Dennis Ingram with the State of Utah DOGM was contacted concerning the MIT on the above list well. Permission was given at that time to perform the test on 11-16-06. On 11-16-06 the csg was pressured up to 1270 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 0 psig during the test. There was not a State representative available to witness the test.

Accepted by the  
Utah Division of  
Oil, Gas and Mining

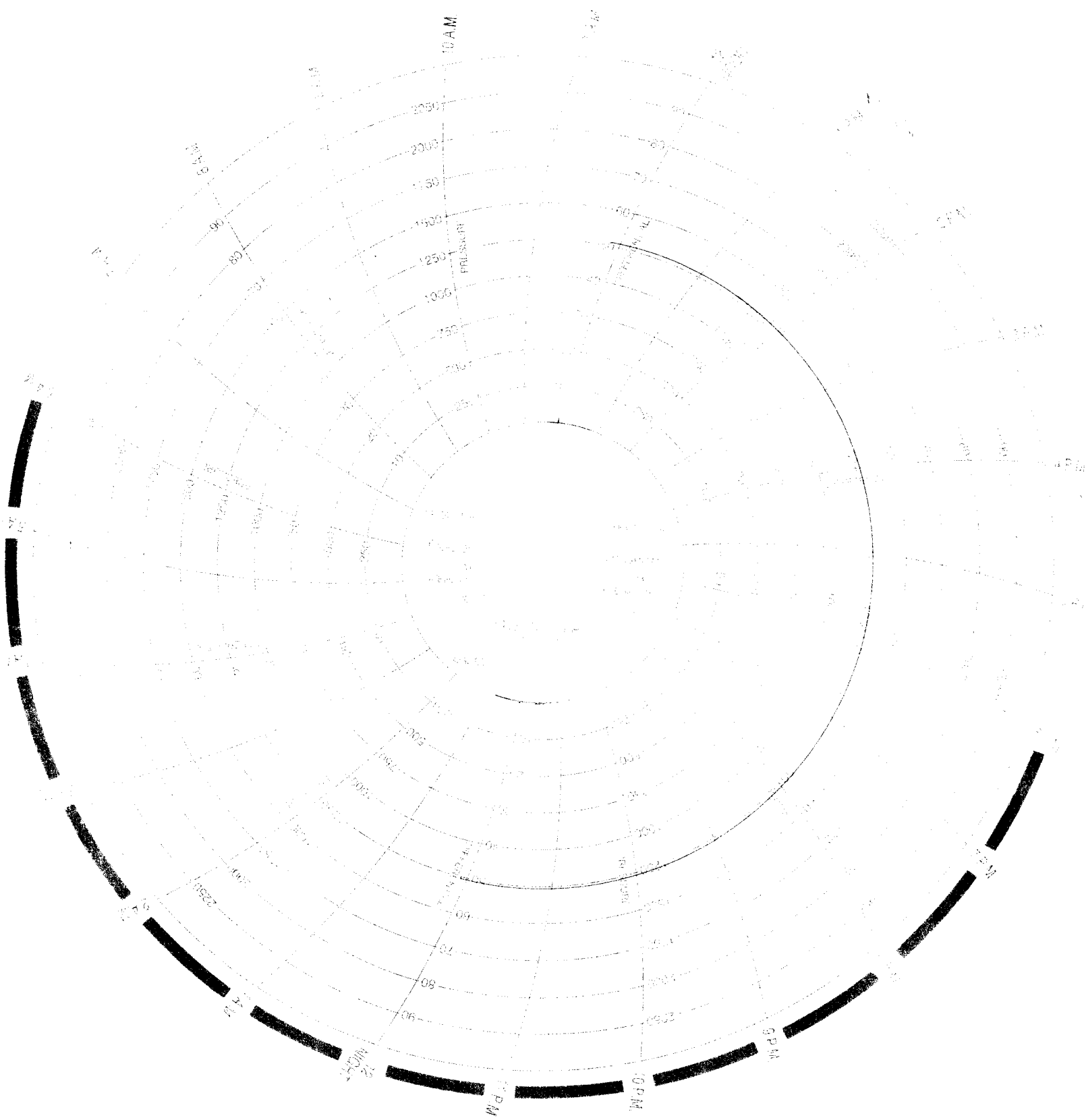
Date: 11-27-06  
By: [Signature]

COPY SENT TO OPERATOR  
Date: 12/5/06  
Initials: CHD

NAME (PLEASE PRINT) Jentri Park TITLE Production Clerk  
SIGNATURE [Signature] DATE 11/21/2006

(This space for State use only)

NOV 24 2006



RECEIVED

NOV 24 2006

# Mechanical Integrity Test Casing or Annulus Pressure Test

Inland Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: \_\_\_\_\_

Date 11/16/06

Time 10:00 am pm

Test Conducted by: Matthew Bertsch

Others Present: \_\_\_\_\_

Well: Mon. Fed. 43-G-9-16Y

Field: West Point Unit UTU: 74390

Well Location: NE/SE Sec 6, T9S, R10E

API No: 43-013-31644

## Time

## Casing Pressure

0 min	<u>1270</u>	psig
5	<u>1270</u>	psig
10	<u>1270</u>	psig
15	<u>1270</u>	psig
20	<u>1270</u>	psig
25	<u>1270</u>	psig
30 min	<u>1270</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 0 psig

Result:

Pass

Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: Matthew Bertsch

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74390
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> MON FED 43-6-9-16Y
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2214 FSL 0707 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 06 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013316440000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

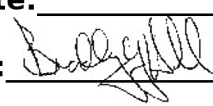
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <span style="border: 1px solid black; padding: 2px;">5 YR MIT</span>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/12/2011			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  

On 10/05/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 10/12/2011 the casing was pressured up to 1210 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test . The tubing pressure was 1620 psig during the test. There was not a State representative available to witness the test.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** 11/08/2011

**By:** 

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/14/2011	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 10/12/11 Time 2:00 am pm

Test Conducted by: DAVE CLOWARD

Others Present: \_\_\_\_\_

Well: <u>MONUMENT FEDERAL</u> <u>43-6-9-16Y</u>	Field: <u>MONUMENT FEDERAL</u> <u>Duchesne County, Utah UTA 82538X</u>
Well Location: <u>MONUMENT FEDERAL 43-6-9-16Y</u>	API No: _____
<u>NE/SE SEC. 6, T9S, R16E</u>	<u>43-013-31644</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1210</u>	psig
5	<u>1210</u>	psig
10	<u>1210</u>	psig
15	<u>1210</u>	psig
20	<u>1210</u>	psig
25	<u>1210</u>	psig
30 min	<u>1210</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

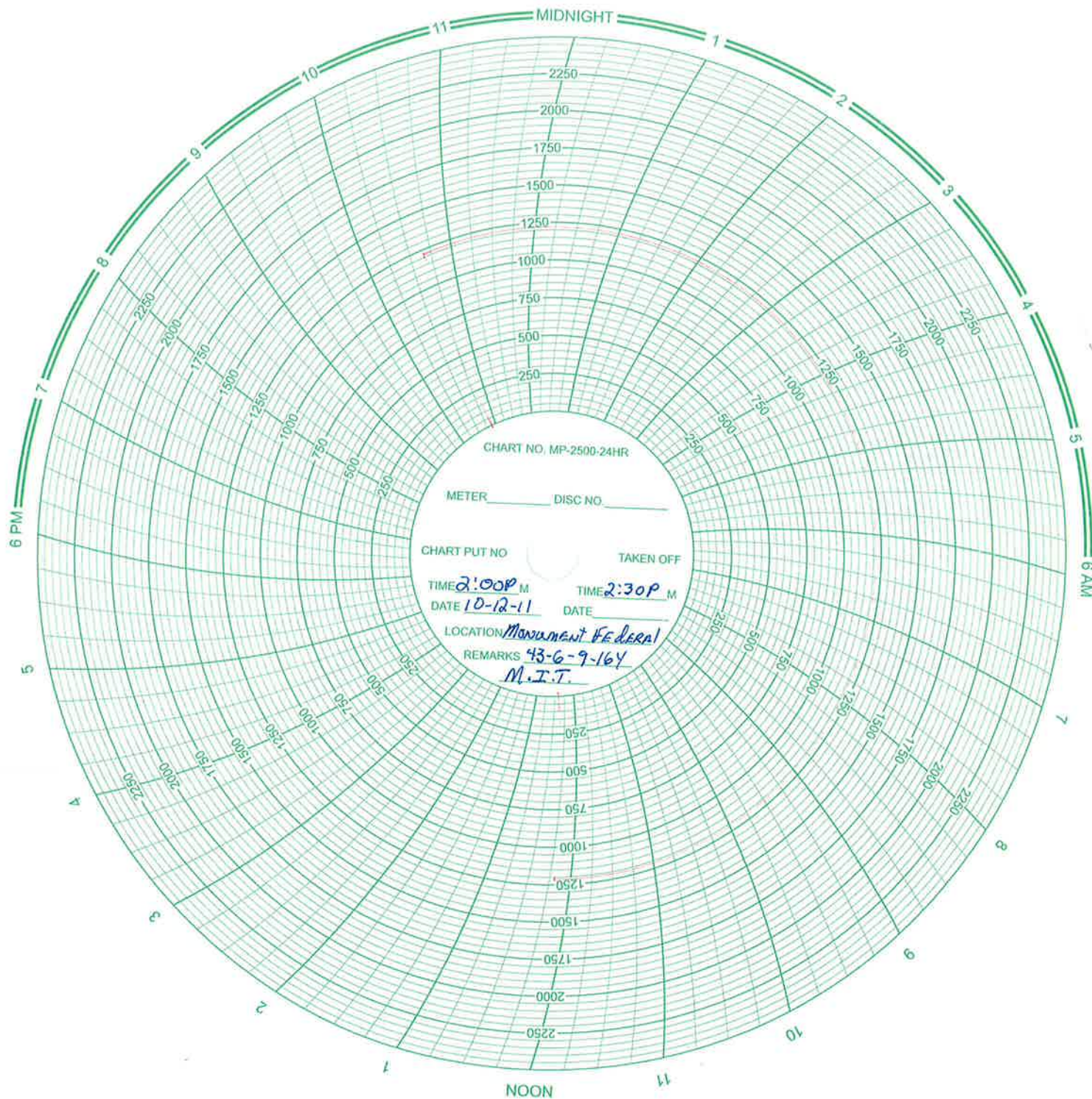
Tubing pressure: 1620 psig

Result: Pass Fail

Signature of Witness: \_\_\_\_\_

Signature of Person Conducting Test: David Cloward





<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74390
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> MON FED 43-6-9-16Y
<b>4. LOCATION OF WELL FOOTAGES AT SURFACE:</b> 2214 FSL 0707 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 06 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013316440000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <span style="border: 1px solid black; padding: 2px;">5 YR MIT</span>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/12/2011			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  

On 10/05/2011 Dennis Ingram with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 10/12/2011 the casing was pressured up to 1210 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test . The tubing pressure was 1620 psig during the test. There was not a State representative available to witness the test.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining**

**Date:** 11/08/2011

**By:**

<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/14/2011	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630  
Myton, UT 84052  
435-646-3721

Witness: \_\_\_\_\_ Date 10/12/11 Time 2:00 am pm

Test Conducted by: DAVE CLOWARD

Others Present: \_\_\_\_\_

Well: <u>MONUMENT FEDERAL</u> <u>43-6-9-16Y</u>	Field: <u>MONUMENT FEDERAL</u> <u>Duchesne County, Utah UTA 82538X</u>
Well Location: <u>MONUMENT FEDERAL 43-6-9-16Y</u>	API No: _____
<u>NE/SE SEC. 6, T9S, R16E</u>	<u>43-013-31644</u>

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1210</u>	psig
5	<u>1210</u>	psig
10	<u>1210</u>	psig
15	<u>1210</u>	psig
20	<u>1210</u>	psig
25	<u>1210</u>	psig
30 min	<u>1210</u>	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

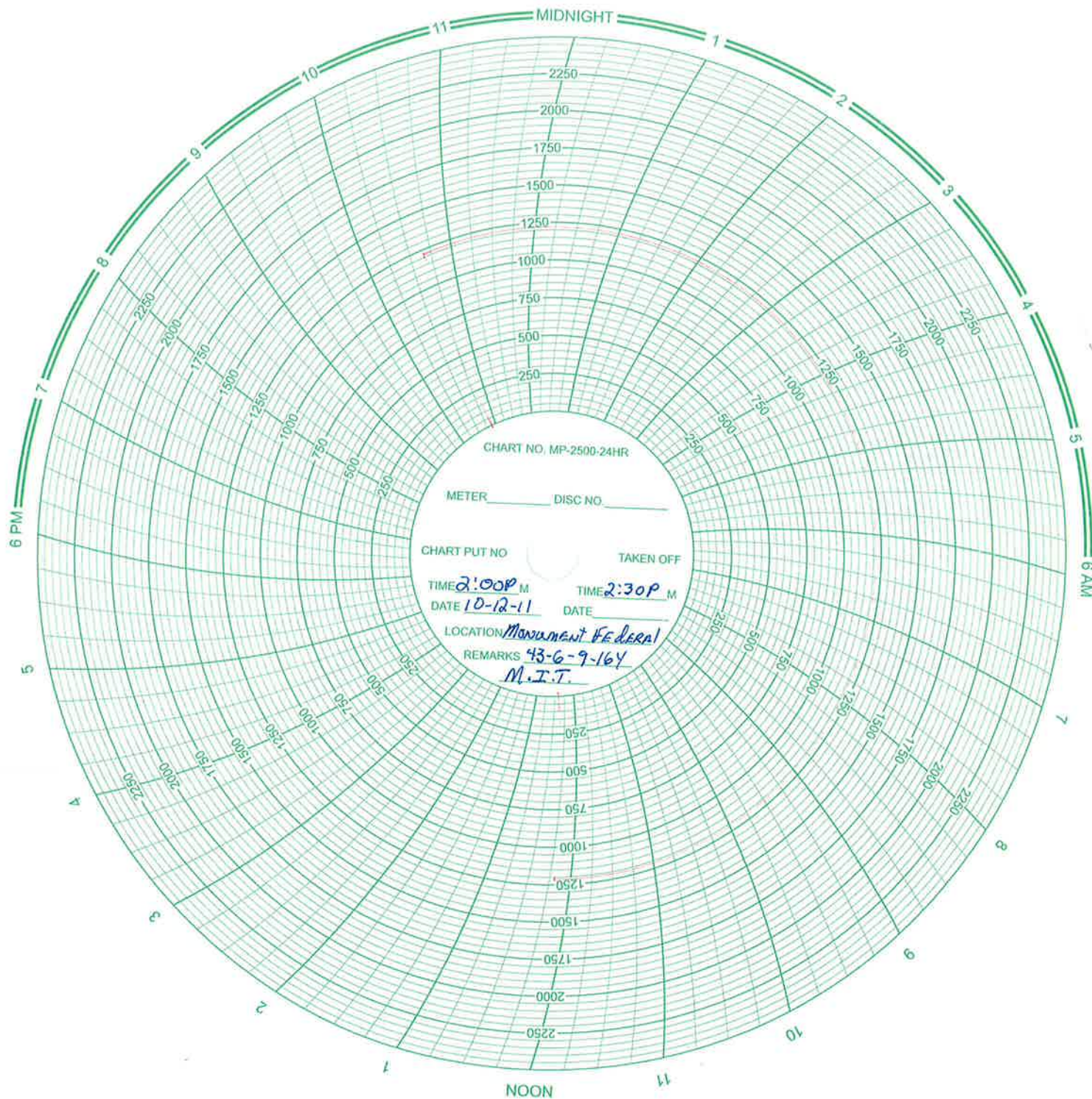
Tubing pressure: 1620 psig


Result: Pass Fail

Signature of Witness: \_\_\_\_\_

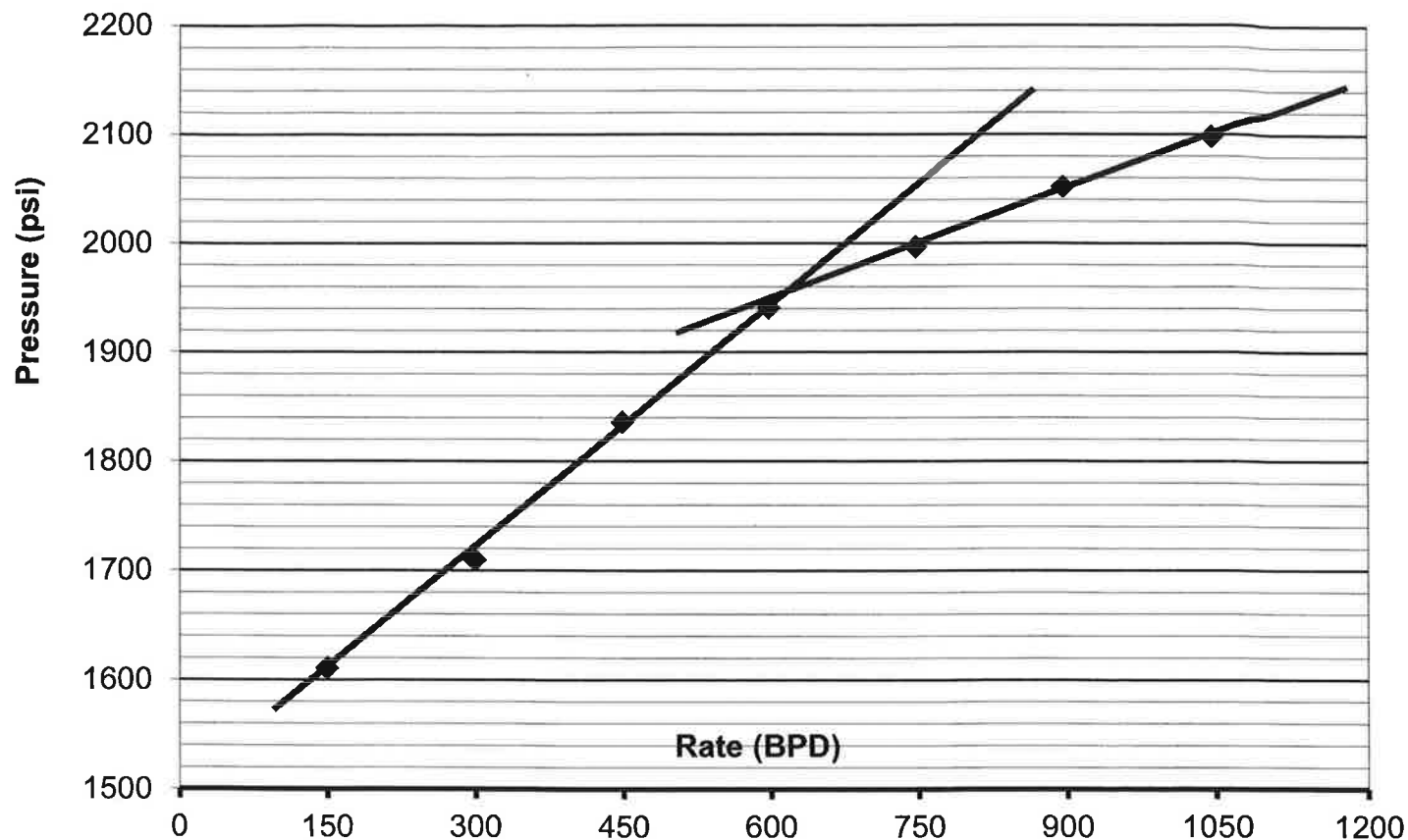
Signature of Person Conducting Test: David Cloward





<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74390
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630, Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> MON FED 43-6-9-16Y
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2214 FSL 0707 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 06 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013316440000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/29/2013	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input type="text" value="Step Rate Test"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. step rate test was conducted on the subject well on 07/29/2013. Results from the test indicate that the fracture gradient is 0.894 psi/ft. Therefore, Newfield is requesting that the maximum allowable injection pressure (MAIP) be changed from 1725 psi to 1950 psi.		
<b>Accepted by the Utah Division of Oil, Gas and Mining</b>  <b>Date:</b> September 12, 2013 <b>By:</b> 		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A		<b>DATE</b> 8/1/2013

**Monument Federal 43-6Y-9-16  
Greater Monument Butte Unit  
Step Rate Test  
July 29, 2013**



**Start Pressure:**

1531 psi

**Top Perforation:**

4291 feet

**Fracture pressure (P<sub>fp</sub>):**

1950 psi

**FG:**

0.894 psi/ft

Step	Rate(bpd)	Pressure(psi)
1	150	1611
2	300	1710
3	450	1836
4	600	1941
5	750	1997
6	900	2052
7	1050	2098



**Data Table Report**

Report Name: PrTemp1000 Data Table  
 Report Date: 07/31/2013 13:17:27  
 File Name: C:\Program Files\PTC® Instruments 2.03.12\Monument Federal 43-6Y-9-16 SRT (7-29-13).csv  
 Device: PrTemp1000 - Temperature and Pressure Recorder  
 Hardware Revision: REV2C (64K)  
 Serial Number: N89296  
 Device ID: PrTemp  
 Data Start Date: Jul 29, 2013 08:00:01 AM MDT  
 Data End Date: Jul 29, 2013 12:00:01 PM MDT  
 Reading: 1 to 49 of 49  
 Reading Rate: 30 Seconds  
 Last Calibration Date: Sep 18, 2012  
 Next Calibration Date: Sep 18, 2013  
 Next Calibration Date: Sep 18, 2013

**Monument Federal 43-6Y-9-16 SRT (7-29-13)**

Unit Type	(All Units)	
Reading	DateTime (MDT)	Channel 2 PSIA
1	Jul 29, 2013 08:00:01 AM	1531.2
2	Jul 29, 2013 08:05:01 AM	1530.8
3	Jul 29, 2013 08:10:01 AM	1530.8
4	Jul 29, 2013 08:15:01 AM	1530.6
5	Jul 29, 2013 08:20:02 AM	1530.8
6	Jul 29, 2013 08:25:01 AM	1530.4
7	Jul 29, 2013 08:30:02 AM	1530.6
8	Jul 29, 2013 08:35:01 AM	1566.4
9	Jul 29, 2013 08:40:02 AM	1580.8
10	Jul 29, 2013 08:45:01 AM	1590.6
11	Jul 29, 2013 08:50:01 AM	1598.4
12	Jul 29, 2013 08:55:01 AM	1605.6
13	Jul 29, 2013 09:00:01 AM	1611.4
14	Jul 29, 2013 09:05:02 AM	1650
15	Jul 29, 2013 09:10:01 AM	1671.4
16	Jul 29, 2013 09:15:02 AM	1681
17	Jul 29, 2013 09:20:01 AM	1690.8
18	Jul 29, 2013 09:25:02 AM	1705
19	Jul 29, 2013 09:30:01 AM	1710.4
20	Jul 29, 2013 09:35:01 AM	1758.8
21	Jul 29, 2013 09:40:01 AM	1777.6
22	Jul 29, 2013 09:45:01 AM	1795.2
23	Jul 29, 2013 09:50:02 AM	1814
24	Jul 29, 2013 09:55:01 AM	1818.2
25	Jul 29, 2013 10:00:02 AM	1835.6
26	Jul 29, 2013 10:05:01 AM	1874.6
27	Jul 29, 2013 10:10:02 AM	1885.4
28	Jul 29, 2013 10:15:01 AM	1909
29	Jul 29, 2013 10:20:01 AM	1920
30	Jul 29, 2013 10:25:01 AM	1930.6
31	Jul 29, 2013 10:30:01 AM	1940.8
32	Jul 29, 2013 10:35:02 AM	1951.2
33	Jul 29, 2013 10:40:01 AM	1974
34	Jul 29, 2013 10:45:02 AM	1970.8
35	Jul 29, 2013 10:50:01 AM	1992.2
36	Jul 29, 2013 10:55:02 AM	1989.2
37	Jul 29, 2013 11:00:01 AM	1996.8
38	Jul 29, 2013 11:05:01 AM	2017.8

**Monument Federal 43-6Y-9-16 SRT (7-29-13)**

Unit Type	(All Units)	
Reading	DateTime (MDT)	Channel 2 PSIA
39	Jul 29, 2013 11:10:01 AM	2025.2
40	Jul 29, 2013 11:15:01 AM	2033.2
41	Jul 29, 2013 11:20:02 AM	2041.8
42	Jul 29, 2013 11:25:01 AM	2044.8
43	Jul 29, 2013 11:30:02 AM	2052.4
44	Jul 29, 2013 11:35:01 AM	2071.4
45	Jul 29, 2013 11:40:02 AM	2081.6
46	Jul 29, 2013 11:45:01 AM	2084.6
47	Jul 29, 2013 11:50:01 AM	2090.6
48	Jul 29, 2013 11:55:01 AM	2093
49	Jul 29, 2013 12:00:01 PM	2097.6

End of Report

**Data Table Report**

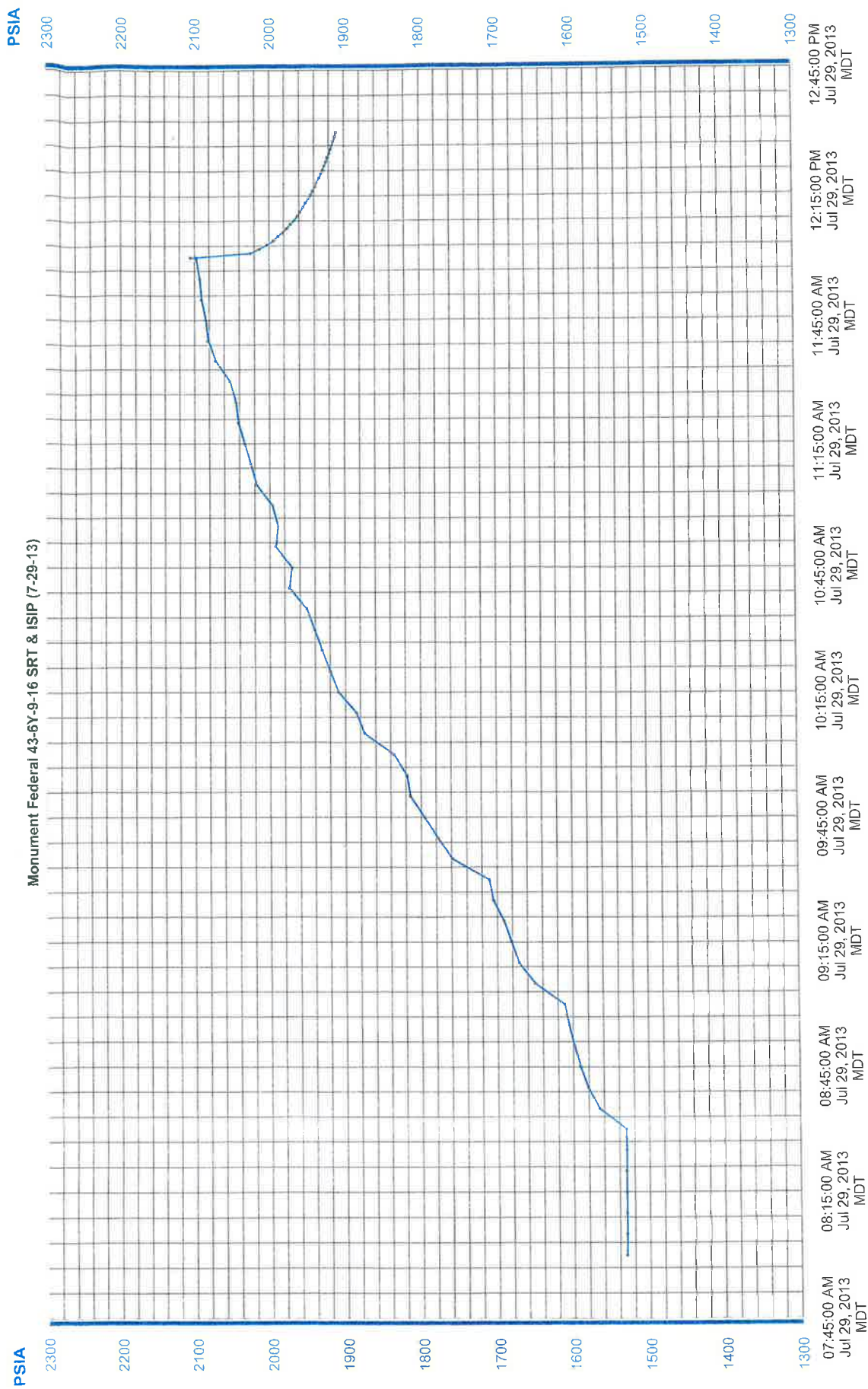
Report Name: PrTemp1000 Data Table  
 Report Date: 07/31/2013 13:16:40  
 File Name: C:\Program Files\PTC® Instruments 2.03.12\Monument Federal 43-6Y-9-16 ISIP (7-29-13).csv  
 Device: PrTemp1000 - Temperature and Pressure Recorder  
 Hardware Revision: REV2C (64K)  
 Serial Number: N89296  
 Device ID: PrTemp  
 Data Start Date: Jul 29, 2013 12:00:12 PM MDT  
 Data End Date: Jul 29, 2013 12:30:12 PM MDT  
 Reading: 1 to 31 of 31  
 Reading Rate: 30 Seconds  
 Last Calibration Date: Sep 18, 2012  
 Next Calibration Date: Sep 18, 2013  
 Next Calibration Date: Sep 18, 2013

**Monument Federal 43-6Y-9-16 ISIP (7-29-13)**

Unit Type (All Units)

Reading	DateTime (MDT)	Channel 2 PSIA
1	Jul 29, 2013 12:00:12 PM	2105.6
2	Jul 29, 2013 12:01:12 PM	2024.8
3	Jul 29, 2013 12:02:11 PM	2013.2
4	Jul 29, 2013 12:03:12 PM	2002.8
5	Jul 29, 2013 12:04:12 PM	1994.4
6	Jul 29, 2013 12:05:11 PM	1987.8
7	Jul 29, 2013 12:06:12 PM	1981.8
8	Jul 29, 2013 12:07:12 PM	1976.4
9	Jul 29, 2013 12:08:12 PM	1971.2
10	Jul 29, 2013 12:09:12 PM	1966.2
11	Jul 29, 2013 12:10:12 PM	1962
12	Jul 29, 2013 12:11:12 PM	1958.2
13	Jul 29, 2013 12:12:11 PM	1954.2
14	Jul 29, 2013 12:13:12 PM	1951.2
15	Jul 29, 2013 12:14:12 PM	1947.6
16	Jul 29, 2013 12:15:11 PM	1944.6
17	Jul 29, 2013 12:16:12 PM	1941.6
18	Jul 29, 2013 12:17:12 PM	1938.8
19	Jul 29, 2013 12:18:11 PM	1936.2
20	Jul 29, 2013 12:19:12 PM	1933
21	Jul 29, 2013 12:20:12 PM	1930.6
22	Jul 29, 2013 12:21:11 PM	1928.2
23	Jul 29, 2013 12:22:12 PM	1926.2
24	Jul 29, 2013 12:23:12 PM	1923.8
25	Jul 29, 2013 12:24:12 PM	1922
26	Jul 29, 2013 12:25:11 PM	1919.4
27	Jul 29, 2013 12:26:12 PM	1917.8
28	Jul 29, 2013 12:27:12 PM	1916
29	Jul 29, 2013 12:28:11 PM	1914
30	Jul 29, 2013 12:29:12 PM	1912
31	Jul 29, 2013 12:30:12 PM	1910.8

End of Report



Spud Date: 6/27/96  
 Put on Production: 8/06/96  
 Put on Injection: 11/15/99  
 GL: 5837' KB: ?

# Monument Federal 43-6-9-16

Initial Production: 56 BOPD,  
 0 MCFPD, 90 BWPD

## SURFACE CASING

CSG SIZE: 8-5/8"  
 GRADE: J-55  
 WEIGHT: 24#  
 LENGTH: 5 jts (242.22')  
 DEPTH LANDED: 264'  
 HOLE SIZE: 12-1/4"  
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls to surf.

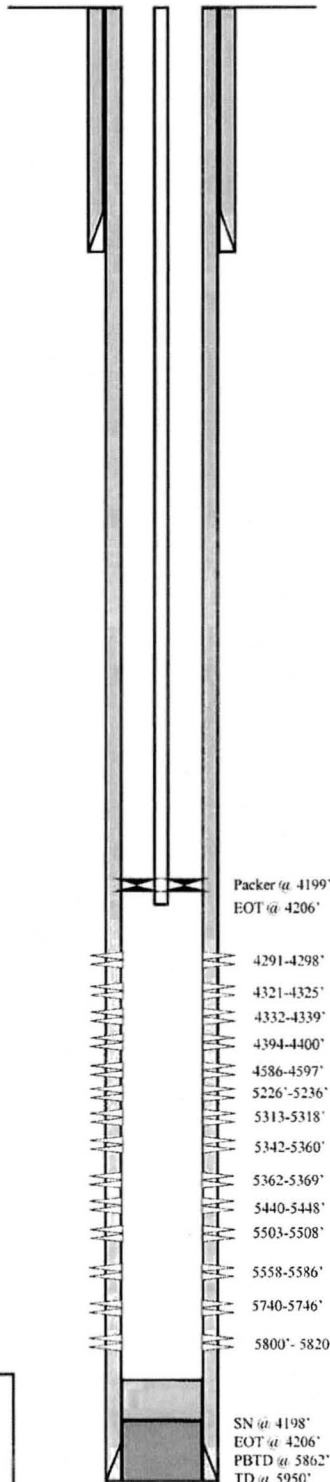
## PRODUCTION CASING

CSG SIZE: 5-1/2"  
 GRADE: J-55  
 WEIGHT: 15.5#  
 LENGTH: 137 jts.  
 DEPTH LANDED: 5908'  
 HOLE SIZE: 7-7/8"  
 CEMENT DATA: 380 sxs Super "G" & 390 sxs 50/50 Poz  
 CEMENT TOP AT: 275' per CBL

## TUBING

SIZE GRADE/WT.: 2-7/8" J-55 6.5#  
 NO. OF JOINTS: 134 jts @ 4188.28'  
 SEATING NIPPLE: 2-7/8" (1.10')  
 SN LANDED AT: 4198.28'  
 PACKER: 4199.38'  
 TOTAL STRING LENGTH: EOT @ 4206.38'

## Injection Wellbore Diagram



## FRAC JOB

7-15-96 5558'-5586' Frac sand as follows:  
 40,370# of 20-40 sd and 87,030# 16-30  
 sd w/ 35,028 gals 2% KCL water. Treated  
 @ avg rate 38 BPM, avg press 3250 psi.  
 ISIP: 3550 psi, 5-min 2300 psi.

7-18-96 5440'-5508' Frac sand as follows:  
 16,790# of 20-40 sd and 41,110# 16-30  
 sd w/ 21,000 gals 2% KCL water. Treated  
 @ avg rate of 30.5 BPM, avg press 3250  
 psi. ISIP: 2430 psi, 5-min 1820 psi.

7-23-96 4586'-4597' Frac sand as follows:  
 49,500# 16-30 sand w/ 15,708 gals 2%  
 KCL water. Treated w/ avg press of 2500  
 psi w/ avg rate of 20.2 BPM. ISIP: 2950  
 psi, 5 min 2270 psi.

7-23-96 4291'-4400' Frac sand as follows:  
 109,700# 16-30 sand w/ 36,666 gals 2%  
 KCL water. Treated w/ avg press of 2350  
 psi w/ avg rate of 29.9 BPM. ISIP: 2000  
 psi, 5 min 1690 psi.

11/15/99 Convert to Injection well  
 11/13/06 Re-Completion (new perfs)  
 11/09/06 5740'-5820' Frac CP.5 & CP2 sands as follows:  
 39,090# 20-40 sand in 355 bbls Lightning  
 17 frac fluid. Treated w/ ave press of  
 4035# @ ave rate of 14.5 BPM. ISIP was  
 2030 psi. Calc flush 2559, actual flush  
 1386

11/10/06 5226'-5236' Frac A & LODC sands as follows:  
 82,720# 20-40 sand in 648 bbls Lightning  
 17 frac fluid. Treated @ avg press of  
 3980 w/ avg rate of 14.6 BPM. ISIP 2290  
 psi. Actual flush 1260, Calc flush 2046

10/28/04 5 yr MIT

## PERFORATION RECORD

Date	Depth Range	Type	Holes
7-12-96	5558'-5586'	4 JSPF	112 holes
7-17-96	5503'-5508'		9 holes
7-17-96	5440'-5448'		9 holes
7-18-96	5362'-5369'	4 JSPF	28 holes
7-18-96	5342'-5360'	4 JSPF	72 holes
7-18-96	5313'-5318'	4 JSPF	20 holes
7-22-96	4586'-4597'	4 JSPF	44 holes
7-23-96	4394'-4400'		4 holes
7-23-96	4332'-4339'		5 holes
7-23-96	4321'-4325'		4 holes
7-23-96	4291'-4298'		5 holes
11-08-06	5800'-5850'	4 JSPF	80 holes
11-08-06	5740'-5746'	4 JSPF	24 holes
11-08-06	5226'-5236'	4 JSPF	40 holes



Monument Federal 43-6Y-9-16  
 2214' FSL 707' FEL  
 NE/SE Section 6-T9S-R16E  
 Duchesne Co, Utah  
 API #43-013-31644; Lease #UTU-74390



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-74390
<b>1. TYPE OF WELL</b> Water Injection Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> NEWFIELD PRODUCTION COMPANY		<b>7. UNIT or CA AGREEMENT NAME:</b> GMBU (GRRV)
<b>3. ADDRESS OF OPERATOR:</b> Rt 3 Box 3630 , Myton, UT, 84052		<b>8. WELL NAME and NUMBER:</b> MON FED 43-6-9-16Y
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2214 FSL 0707 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 06 Township: 09.0S Range: 16.0E Meridian: S		<b>9. API NUMBER:</b> 43013316440000
<b>PHONE NUMBER:</b> 435 646-4825 Ext		<b>9. FIELD and POOL or WILDCAT:</b> MONUMENT BUTTE
<b>COUNTY:</b> DUCHESNE		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/8/2016	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE WELL NAME	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: 5 YR MIT	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. On 09/06/2016 Amy Doebele with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 09/08/2016 the casing was pressured up to 1250 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 1900 psig during the test. There was a State representative available to witness the test - Amy Doebele.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> September 16, 2016		
<b>NAME (PLEASE PRINT)</b> Lucy Chavez-Naupoto	<b>PHONE NUMBER</b> 435 646-4874	<b>TITLE</b> Water Services Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/12/2016	

# Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness: \_\_\_\_\_ Date 9/8/16 Time 8:20 am pmTest Conducted by: Troy Laanby

Others Present: \_\_\_\_\_

Well: Monument Federal 43-6Y-9-16

Field: Monument Butte

Well Location: NE 1/4 Sec. 16, T9S, R16E  
Duchesne County UT.

API No: 43-013-31644

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1240</u>	psig
5	<u>1240</u>	psig
10	<u>1250</u>	psig
15	<u>1250</u>	psig
20	_____	psig
25	_____	psig
30 min	_____	psig
35	_____	psig
40	_____	psig
45	_____	psig
50	_____	psig
55	_____	psig
60 min	_____	psig

Tubing pressure: 1900 psigResult: Pass FailSignature of Witness: Amy DeBorjaSignature of Person Conducting Test: Troy Laanby

